

FCC UNII REPORT

Certification

Applicant Name:
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Date of Issue:
January 19, 2023

Test Site/Location:
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Report No.: HCT-RF-2301-FC077

FCC ID: A3LSMA546B

APPLICANT: SAMSUNG Electronics Co., Ltd.

According to the Evaluation report, all of the data contained herein is reused from the reference FCC ID : A3LSMA546E report.

Model: SM-A546B/DS
Additional Model: -
EUT Type: Mobile Phone
Modulation type OFDMA,OFDM
FCC Classification: Unlicensed National Information Infrastructure(NII)
FCC Rule Part(s): Part 15.407

Engineering Statement:

The measurements shown in this report were made in accordance with the procedures indicated, and the emissions from this equipment were found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements of the FCC Rules under normal use and maintenance.

Report No.: HCT-RF-2301-FC077

REVIEWED BY



Report prepared by : Kyung Jun Woo
Engineer of Telecommunication Testing Center

Report approved by : Jong Seok Lee
Manager of Telecommunication Testing Center

This test results were applied only to the test methods required by the standard.

This laboratory is not accredited for the test results marked *.

The above Test Report is the accredited test result by (KS Q) ISO/IEC 17025 and KOLAS(Korea Laboratory Accreditation Scheme), which signed the ILAC-MRA. (HCT Accreditation No.: KT197)

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Version

TEST REPORT NO.	DATE	DESCRIPTION
HCT-RF-2301-FC077	January 19, 2023	- First Approval Report

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1. GENERAL INFORMATION

EUT DESCRIPTION

Model	SM-A546B/DS	
Additional Model	-	
EUT Type	Mobile Phone	
Power Supply	DC 3.85 V	
Modulation Type	OFDMA,OFDM	
Frequency Range (MHz)	U-NII-1	20 MHz BW : 5180 - 5240 40 MHz BW : 5190 - 5230 80 MHz BW : 5210
	U-NII-2A	20 MHz BW : 5260 - 5320 40 MHz BW : 5270 - 5310 80 MHz BW : 5290
	U-NII-2C	20 MHz BW : 5500 - 5720 40 MHz BW : 5510 - 5710 80 MHz BW : 5530 - 5690
	U-NII-3	20 MHz BW : 5745 - 5825 40 MHz BW : 5755 - 5795 80 MHz BW : 5775
Straddle channel	Supported	
TDWR Band	Supported	
Dynamic Frequency Selection	Slave without radar detection	
Date(s) of Tests	November 30, 2022 ~ January 16, 2023	
Serial number	Radiated: R3CTA04MCRJ Conducted: R3CTA04MCBE	

ANTENNA CONFIGURATIONS

1. Antenna configuration

Configurations	SISO		MIMO	
	Ant.1	Ant.2	CDD	SDM
802.11ax	X	O	X	O

Note:

- (1) O = Support, X = Not Support
- (2) SISO = Single Input Single Output
- (3) SDM = Spatial Diversity Multiplexing
- (4) CDD = Cyclic Delay Diversity
- (5) SISO test was performed for the MIMO test result.

2.This device supports simultaneous transmission operation, which allows for two channels to operate independent of one another in the 2.4 GHz and 5 GHz bands simultaneously on each antenna.

RSDB Scenario	5 GHz WiFi Ant.1	5 GHz WiFi Ant.2	Bluetooth Ant.1
5 GHz WiFi Ant.2 + Bluetooth Ant.1		on	on
5 GHz WiFi MIMO + Bluetooth Ant.1	<u>on</u>	<u>on</u>	<u>on</u>

3. Directional Gain Calculation

According to KDB 662911 D01 Multiple Transmitter Output v02r01 F) 2) e) (iii), f) ii)

$$\text{Directional gain(SDM)} = G_{\max} + 10 \cdot \log(N_{\text{ANT}}/ N_{\text{SS}}),$$

Band	Ant Gain (dBi)		$N_{\text{ANT}}/ N_{\text{SS}}$	Directional Gain (dBi)
UNII 1	ANT1	-7.43	2 / 2	-6.93
	ANT2	-6.93		
UNII 2A	ANT1	-7.30	2 / 2	-6.00
	ANT2	-6.00		
UNII 2C	ANT1	-6.10	2 / 2	-6.10
	ANT2	-6.14		
UNII 3	ANT1	-6.10	2 / 2	-6.03
	ANT2	-6.03		

Note

According to Ansi C63.10-2013 section 14.4.3, the directional gain is calculated using the formula, where G_N is the gain of the nth antenna and N_{ANT} is the total number of antennas used.

$$\text{Directional gain(SDM)} = G_{\max} + 10 \cdot \log(N_{\text{ANT}}/ N_{\text{SS}}),$$

Sample MIMO Calculation:

Ex) Ant 1 : 11.58 dBm Ant 2 : 12.08 dBm

$$\text{Ant. 1} + \text{Ant. 2} = \text{MIMO}$$

$$(11.58 \text{ dBm} + 12.08 \text{ dBm}) = (14.387 \text{ mW} + 16.143 \text{ mW}) = 30.53 \text{ mW} = 14.88 \text{ dBm}$$

2. MAXIMUM OUTPUT POWER

The transmitter has a maximum total conducted average output power as follows:

Band	Mode	Maximum Output Power			
		SISO(Ant. 2)		MIMO	
		(dBm)	(W)	(dBm)	(W)
UNII1	802.11ax (HE20)	16.60	0.046	19.21	0.083
	802.11ax (HE40)	14.87	0.031	17.00	0.050
	802.11ax (HE80)	11.77	0.015	14.46	0.028
UNII2A	802.11ax (HE20)	16.69	0.047	19.02	0.080
	802.11ax (HE40)	14.72	0.030	16.89	0.049
	802.11ax (HE80)	11.27	0.013	14.89	0.031
UNII2C	802.11ax (HE20)	16.94	0.049	19.02	0.080
	802.11ax (HE40)	14.85	0.031	16.98	0.050
	802.11ax (HE80)	11.21	0.013	14.82	0.030
UNII3	802.11ax (HE20)	16.82	0.048	19.38	0.087
	802.11ax (HE40)	14.40	0.028	17.09	0.051
	802.11ax (HE80)	10.64	0.012	14.64	0.029

3. TEST METHODOLOGY

The measurement procedure described in FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 dated December 14, 2017 entitled “Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part15, Subpart E” and ANSI C63.10(Version : 2013) ‘the American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices’ were used in the measurement.

EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

EUT EXERCISE

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. According to its specifications, the EUT must comply with the requirements of the Section 15.207, 15.209 and 15.407 under the FCC Rules Part 15 Subpart E.

GENERAL TEST PROCEDURES

Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 6.2 of ANSI C63.10. (Version :2013) Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane below 1 GHz. Above 1 GHz with 1.5m using absorbers between the EUT and receive antenna. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3 m away from the receiving antenna, which varied from 1 m to 4 m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes according to the requirements in Section 6.6.5 of ANSI C63.10. (Version: 2013)

DESCRIPTION OF TEST MODES

The EUT has been tested under operating condition. Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

4. INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment's, which is traceable to recognized national standards.

Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5 (Version : 2017).

5. FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

The SAC(Semi-Anechoic Chamber) and conducted measurement facility used to collect the radiated data are located at the 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA. The site is constructed in conformance with the requirements of ANSI C63.4. (Version :2014) and CISPR Publication 22. Detailed description of test facility was submitted to the Commission and accepted dated April 02, 2018 (Registration Number: KR0032).

5.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of Linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers. Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

6. ANTENNA REQUIREMENTS

According to FCC 47 CFR §15.203, §15.407:

"An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section."

- (1) The antennas of this E.U.T are permanently attached.
- (2) The E.U.T Complies with the requirement of §15.203, §15.407

7. MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.10-2013.

All measurement uncertainty values are shown with a coverage factor of $k = 2$ to indicate a 95 % level of confidence.

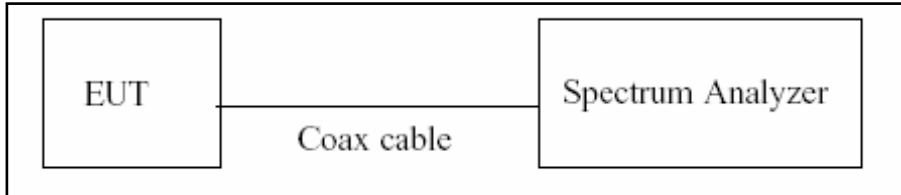
The measurement data shown herein meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Parameter	Expanded Uncertainty (dB)
Conducted Disturbance (150 kHz ~ 30 MHz)	2.00 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (9 kHz ~ 30 MHz)	4.40 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (30 MHz ~ 1 GHz)	5.74 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (1 GHz ~ 18 GHz)	5.51 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (18 GHz ~ 40 GHz)	5.92 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (Above 40 GHz)	5.48 (Confidence level about 95 %, $k=2$)

8. DESCRIPTION OF TESTS

8.1. Duty Cycle

Test Configuration



Test Procedure

The transmitter output is connected to the Spectrum Analyzer.

We tested according to Procedure B.2 in KDB 789033 D02 v02r01.

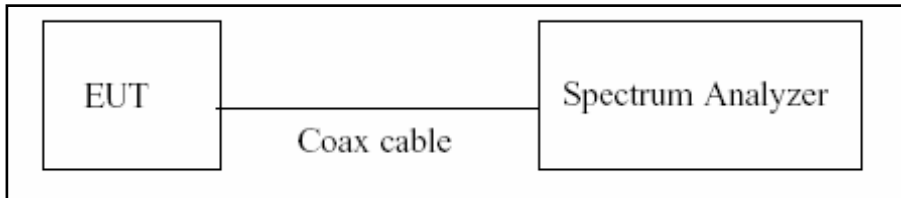
1. RBW = 8 MHz (the largest available value)
2. VBW = 8 MHz (\geq RBW)
3. SPAN = 0 Hz
4. Detector = Peak
5. Number of points in sweep > 100
6. Trace mode = Clear write
7. Measure T_{total} and T_{on}
8. Calculate Duty Cycle = T_{on} / T_{total} and Duty Cycle Factor = $10\log(1/\text{Duty Cycle})$

8.2. 6 dB Bandwidth & 26 dB Bandwidth

Limit

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

Test Configuration



Test Procedure(26 dB Bandwidth)

The transmitter output is connected to the Spectrum Analyzer.

We tested according to Procedure C.1 in KDB 789033 D02 v02r01.

1. RBW = approximately 1 % of the emission bandwidth
2. VBW > RBW
3. Detector = Peak
4. Trace mode = Max Hold
5. Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1 %.

Test Procedure (6 dB Bandwidth)

The transmitter output is connected to the Spectrum Analyzer.

We tested according to Procedure C.2 in KDB 789033 D02 v02r01.

1. RBW = 100 kHz
2. VBW $\geq 3 \times$ RBW
3. Detector = Peak
4. Trace mode = Max Hold
5. Allow the trace to stabilize
6. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points(upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Note:

1. We tested X dB bandwidth using the automatic bandwidth measurement capability of a spectrum analyzer.
2. DFS test channels should be defined. So, We performed the OBW test to prove that no part of the fundamental emissions of any channels belong to UNII1 and UNII3 band for DFS.
3. The 26 dB bandwidth is used to determine the conducted power limits.

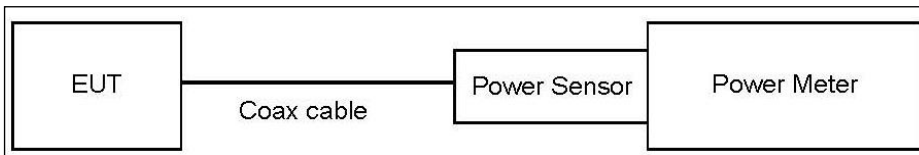
8.3. Output Power Measurement

Limit

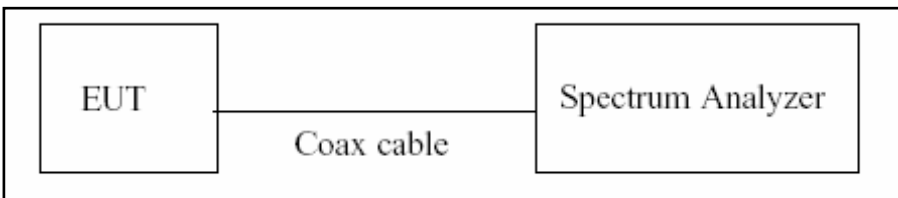
Band	Limit
UNII 1	- Master : Not exceed 1 W(=30 dBm) - Slave : Not exceed 250 mW(=23.98 dBm)
UNII 2A, 2C	Not exceed the lesser of 250 mW or 11 dBm + 10 log B, (where B is the 26 dB emission bandwidth in megahertz.)
UNII 3	Not exceed 1 W(=30 dBm)

Test Configuration

Power Meter



Spectrum Analyzer(Only Straddle Channel)



Test Procedure(Power Meter)

We tested according to Procedure E.3.a in KDB 789033 D02 v02r01.

1. Measure the duty cycle.
2. Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
3. Add 10 log (1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times.

Test Procedure(Spectrum Analyzer)

The transmitter output is connected to the Spectrum Analyzer.

We use the spectrum analyzer’s integrated band power measurement function.

We tested according to Procedure E.2.d) in KDB 789033 D02 v02r01.

1. Measure the duty cycle.
2. Set span to encompass the 26 dB EBW of the signal.
3. RBW = 1 MHz.
4. VBW ≥ 3 MHz.
5. Number of points in sweep ≥ 2 x span/RBW.
6. Sweep time = auto.
7. Detector = RMS.
8. Do not use sweep triggering. Allow the sweep to “free run”.
9. Trace average at least 100 traces in power averaging(RMS) mode
10. Integrated bandwidth = OBW
11. Add $10\log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times.

Sample Calculation

Total Power(dBm) = Measured Value(dBm) + ATT loss(dB) + Cable loss(dB) + Duty Cycle Factor(dB)

Note

1. Spectrum Measured Values are not plot data.

The power results in plot is already including the actual values of loss for the attenuator and cable combination.

2. Spectrum offset Attenuator loss(10 dB) + Cable loss

3. Actual value of loss for the attenuator and cable combination is below table.

Band	Loss(dB)
UNII 1	11.87
UNII 2A	11.87
UNII 2C	11.87
UNII 3	11.87

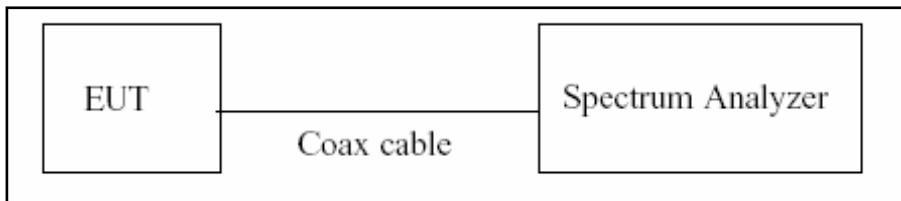
(Actual value of loss for the attenuator and cable combination)

8.4. Power Spectral Density

Limit

Band	Limit
UNII 1	11 dBm/MHz
UNII 2A, 2C	11 dBm/MHz
UNII 3	30 dBm/500 kHz

Test Configuration



Test Procedure

We tested according to Procedure F in KDB 789033 D02 v02r01.

1. Set span to encompass the entire emission bandwidth(EBW) of the signal.
2. RBW = 1 MHz(510 kHz for UNII 3)
3. VBW ≥ 3 MHz
4. Number of points in sweep ≥ 2 x span/RBW.
5. Sweep time = auto.
6. Detector = RMS(i.e., power averaging), if available. Otherwise, use sample detector mode.
7. Do not use sweep triggering. Allow the sweep to “free run”.
8. Trace average at least 100 traces in power averaging(RMS) mode
9. Use the peak search function on the spectrum analyzer to find the peak of the spectrum.
10. If Method SA-2 was used, add $10 \log(1/x)$, where x is the duty cycle, to the peak of the spectrum.

Sample Calculation

Total PSD(dBm) = Measured Value(dBm) + ATT loss(dB) + Cable loss(dB) + Duty Cycle Factor(dB)

Note

1. Spectrum Measured Values are not plot data.

The PSD results in plot is already including the actual values of loss for the attenuator and cable combination.

2. Actual value of loss for the attenuator and cable combination is below table.

Band	Loss(dB)
UNII 1	11.87
UNII 2A	11.87
UNII 2C	11.87
UNII 3	11.87

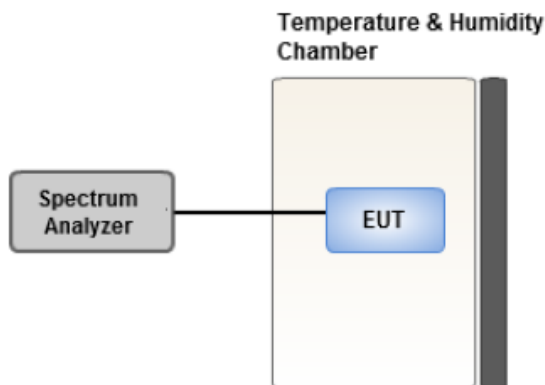
(Actual value of loss for the attenuator and cable combination)

8.5. Frequency Stability

Limit

Maintained within the band

Test Configuration



Test Procedure

1. The EUT was placed inside an environmental chamber as the temperature in the chamber was varied between -30 °C and 50 °C.
2. The temperature was incremented by 10 °C intervals and the unit was allowed to stabilize at each temperature before each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channel's center frequency was recorded.
3. The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.
4. While maintaining a constant temperature inside the environmental chamber, turn the EUT ON and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. Four measurements in total are made.

8.6. AC Power line Conducted Emissions

Limit

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN).

Frequency Range (MHz)	Limits (dB μ V)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56 ^(a)	56 to 46 ^(a)
0.50 to 5	56	46
5 to 30	60	50

^(a)Decreases with the logarithm of the frequency.

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

Test Configuration

See test photographs attached in Annex A for the actual connections between EUT and support equipment.

Test Procedure

1. The EUT is placed on a wooden table 80 cm above the reference ground plane.
2. The EUT is connected via LISN to a test power supply.
3. The measurement results are obtained as described below:
4. Detectors : Quasi Peak and Average Detector.

Sample Calculation

Quasi-peak(Final Result) = Measured Value + Correction Factor

8.7. Radiated Test

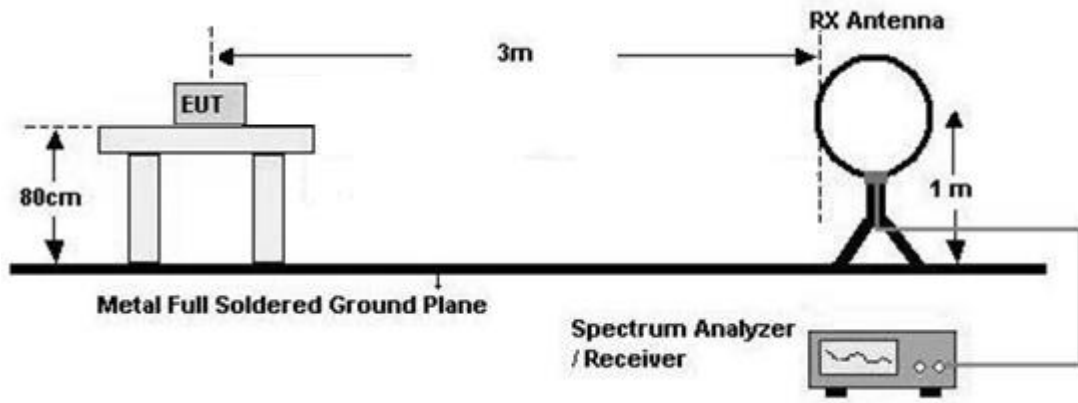
Limit

1. UNII 1: All emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.
2. UNII 2A, 2C: All emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.
3. UNII 3: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
4. All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Section 15.209.

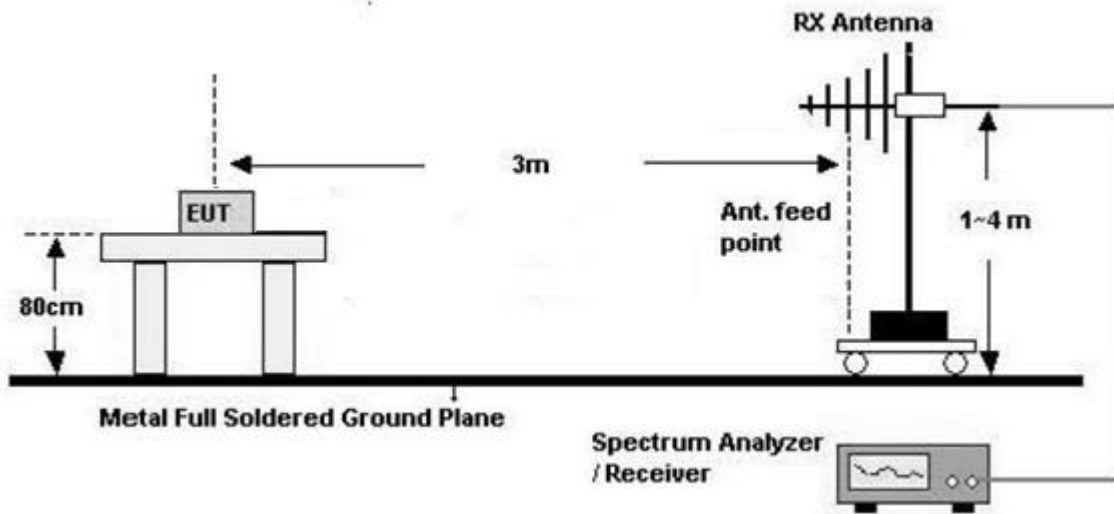
Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Test Configuration

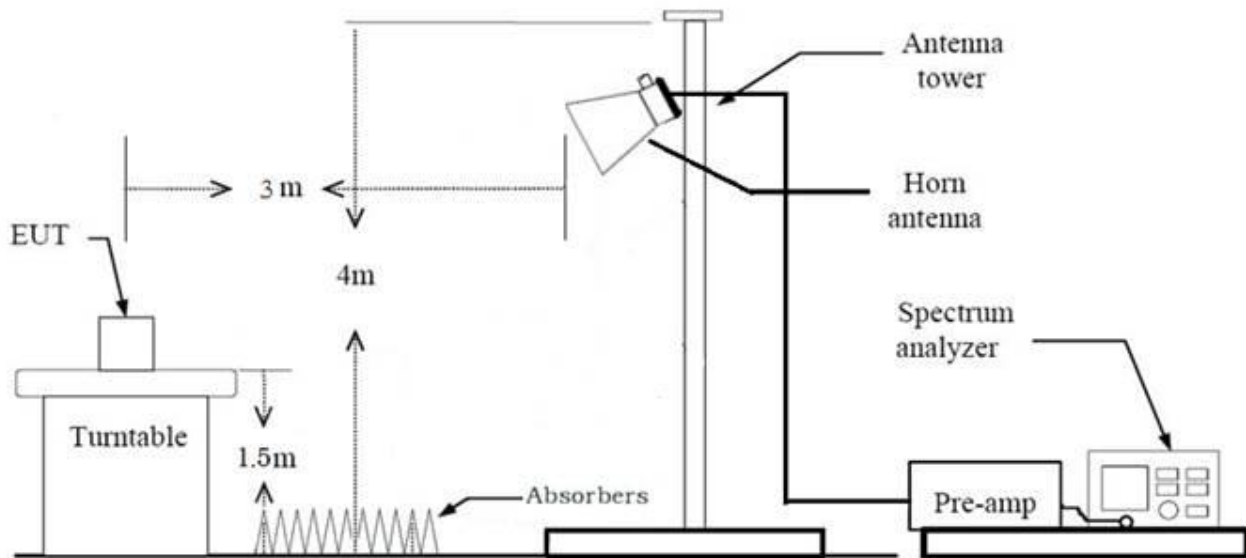
Below 30 MHz



30 MHz - 1 GHz



Above 1 GHz

**Test Procedure of Radiated spurious emissions(Below30 MHz)**

1. The EUT was placed on a non-conductive table located on semi-anechoic chamber.
2. The loop antenna was placed at a location 3 m from the EUT
3. The EUT is placed on a turntable, which is 0.8m above ground plane.
4. .We have done x, y, z planes in EUT and horizontal and vertical polarization and Parallel to the ground plane in detecting antenna.
5. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
6. Distance Correction Factor(0.009 MHz – 0.490 MHz) = $40\log(3\text{ m}/300\text{ m}) = -80\text{ dB}$
Measurement Distance : 3 m
7. Distance Correction Factor(0.490 MHz – 30 MHz) = $40\log(3\text{ m}/30\text{ m}) = -40\text{ dB}$
Measurement Distance : 3 m
8. Spectrum Setting
 - Frequency Range = 9 kHz ~ 30 MHz
 - Detector = Peak
 - Trace = Max Hold
 - RBW = 9 kHz
 - VBW $\geq 3 \times$ RBW
- 9.Total = Measured Value + Antenna Factor(A.F) + Cable Loss(C.L) + Distance Factor(D.F)
10. Measurement value only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.

KDB 414788 OFS and Chamber Correlation Justification

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

Test Procedure of Radiated spurious emissions(Below 1 GHz)

1. The EUT was placed on a non-conductive table located on semi-anechoic chamber.
2. The EUT is placed on a turntable, which is 0.8m above ground plane.
3. The Hybrid antenna was placed at a location 3 m from the EUT, which is varied from 1 m to 4 m to find out the highest emissions.
4. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
5. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
6. Spectrum Setting
 - (1) Measurement Type(Peak):
 - Measured Frequency Range : 30 MHz – 1 GHz
 - Detector = Peak
 - Trace = Max Hold
 - RBW = 100 kHz
 - VBW \geq 3 x RBW
 - (2) Measurement Type(Quasi-peak):
 - Measured Frequency Range : 30 MHz – 1 GHz
 - Detector = Quasi-Peak
 - RBW = 120 kHz
- ※ In general, (1) is used mainly
- 7.Total = Measured Value + Antenna Factor(A.F) + Cable Loss(C.L)
8. Measurement value only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.

Test Procedure of Radiated spurious emissions (Above 1 GHz)

1. The EUT is placed on a turntable, which is 1.5 m above ground plane.
2. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
3. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
4. EUT is set 3 m away from the receiving antenna, which is varied from 1 m to 4 m to find out the highest emissions.
5. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
6. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
7. The unit was tested with its standard battery.
8. Spectrum Setting

(1) Measurement Type (Peak, G.5 in KDB 789033 v02r01):

- RBW = 1 MHz
- VBW \geq 3 MHz
- Detector = Peak
- Sweep Time = auto
- Trace mode = Max Hold
- Allow sweeps to continue until the trace stabilizes.

Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately $1/x$, where x is the duty cycle.

(2) Measurement Type (Average, G.6.d in KDB 789033 v02r01):

- RBW = 1 MHz
- VBW(Duty cycle \geq 98 percent) = VBW \leq RBW/100(i.e., 10 kHz) but not less than 10 Hz.
- VBW(Duty cycle is < 98 percent) = VBW \geq $1/T$, where T is the minimum transmission duration.
- The analyzer is set to linear detector mode.
- Detector = Peak.
- Sweep time = auto.
- Trace mode = Max Hold.
- Allow Max Hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98 percent duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of $1/x$, where x is the duty cycle.

- 9. Measurement value only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor
- 10. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency
- 11. Distance extrapolation factor = $20\log(\text{test distance} / \text{specific distance})$ (dB)
- 12.Total = Measured Value + Antenna Factor(A.F) + Cable Loss(C.L) - Amp Gain(A.G)
+ Distance Factor(D.F)

The actual setting value of VBW

[SISO]

Mode	Tone	Worst Data rate (Mbps)	Duty Cycle	Duty Cycle Factor (dB)	VBW (1/T) (kHz)	The actual setting value of VBW (Hz)
802.11ax (HE20)	26	MCS0	0.977	0.102	0.180	1000
	52	MCS0	0.978	0.099	0.195	1000
	106	MCS0	0.954	0.203	0.410	1000
	242	MCS0	0.904	0.438	0.910	1000
802.11ax (HE40)	26	MCS0	0.977	0.102	0.180	1000
	52	MCS0	0.975	0.108	0.195	1000
	106	MCS0	0.953	0.207	0.410	1000
	242	MCS0	0.904	0.438	0.910	1000
	484	MCS0	0.833	0.795	1.724	3000
802.11ax (HE80)	26	MCS0	0.975	0.110	0.180	1000
	52	MCS0	0.979	0.092	0.195	1000
	106	MCS0	0.957	0.190	0.410	1000
	242	MCS0	0.906	0.428	0.907	1000
	484	MCS0	0.833	0.795	1.724	3000
	996	MCS0	0.744	1.285	3.236	10000
802.11ax (SU)	BW 20	MCS0	0.917	0.375	0.912	1000
	BW 40	MCS0	0.854	0.686	1.731	3000
	BW 80	MCS0	0.736	1.330	3.289	10000

[MIMO]

Mode	Tone	Worst Data rate	Duty Cycle	Duty Cycle Factor (dB)	VBW (1/T) (kHz)	The actual setting value of VBW (Hz)
802.11ax (HE20)	26	MCS0	0.975	0.108	0.195	1000
	52	MCS0	0.954	0.206	0.384	1000
	106	MCS0	0.913	0.395	0.799	1000
	242	MCS0	0.832	0.801	1.701	3000
802.11ax (HE40)	26	MCS0	0.975	0.108	0.195	1000
	52	MCS0	0.957	0.190	0.384	1000
	106	MCS0	0.917	0.378	0.797	1000
	242	MCS0	0.832	0.801	1.701	3000
	484	MCS0	0.734	1.340	3.036	10000
802.11ax (HE80)	26	MCS0	0.975	0.108	0.195	1000
	52	MCS0	0.954	0.206	0.384	1000
	106	MCS0	0.917	0.378	0.797	1000
	242	MCS0	0.835	0.782	1.694	3000
	484	MCS0	0.739	1.316	3.036	10000
	996	MCS0	0.613	2.122	5.407	10000
802.11ax (SU)	BW 20	MCS0	0.831	0.804	1.709	3000
	BW 40	MCS0	0.731	1.358	3.084	10000
	BW 80	MCS0	0.610	2.145	5.482	10000

Test Procedure of Radiated Restricted Band Edge

1. The EUT is placed on a turntable, which is 1.5 m above ground plane.
2. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
3. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
4. EUT is set 3 m away from the receiving antenna, which is varied from 1 m to 4 m to find out the highest emissions.
5. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
6. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
7. The unit was tested with its standard battery.
8. Spectrum Setting
 - (1) Measurement Type(Peak, G.5 in KDB 789033 v02r01):
 - RBW = 1 MHz
 - VBW \geq 3 MHz
 - Detector = Peak
 - Sweep Time = auto
 - Trace mode = Max Hold
 - Allow sweeps to continue until the trace stabilizes.Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately 1/x, where x is the duty cycle.
 - (2) Measurement Type(Average, G.6.c in KDB 789033 v02r01):
 - Detector = RMS
 - Averaging type = power (*i.e.*, RMS)
 - RBW = 1 MHz
 - VBW \geq 3 MHz
 - Sweep time = auto.
 - Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, the number of traces shall be increased by a factor of 1/x, where x is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—*i.e.*, 100% duty cycle—rather than turning on and off with the transmit cycle, at least 100 traces shall be averaged.)
 - Correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 % duty cycle.
 - Duty Cycle Factor (dB) : Please refer to the please refer to section 10.1.
9. Measurement value only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.

10. Distance extrapolation factor = $20\log(\text{test distance} / \text{specific distance})$ (dB)

11. Measured Frequency Range :

- 4 500 MHz ~ 5 150 MHz
- 5 350 MHz ~ 5 460 MHz
- 5 460 MHz ~ 5 470 MHz
- (75 MHz or more below the 5 725 MHz) ~ 5 725 MHz
- 5 850 MHz ~ (75 MHz or more above the 5 850 MHz)
- Measurement Result

1) Total(Measurement Type : Peak)

= Measured value + Antenna Factor(A.F) + Cable Loss(C.L) + Distance Factor(D.F) – Amp Gain(A.G)

2) Total(Measurement Type : Average, Duty cycle $\geq 98\%$)

= Measured value + Antenna Factor(A.F) + Cable Loss(C.L) + Distance Factor(D.F) – Amp Gain(A.G)

3) Total(Measurement Type : Average, Duty cycle $< 98\%$)

= Measured value + Antenna Factor(A.F) + Cable Loss(C.L) + Distance Factor(D.F) – Amp Gain(A.G)

+ Duty Cycle Factor

8.8. Test RU offset for Tones

BW (MHz)	Tones (T)	RU offset	Test RU offset		
			Low	Mid	High
20	26	0~8	0	4	8
	52	37~40	37	38	40
	106	53~54	53	-	54
	242	61	-	61	-
40	26	0~17	0	9	17
	52	37~44	37	41	44
	106	53~56	53	54	56
	242	61~62	61	-	62
	484	65	-	65	-
80	26	0~36	0	18	36
	52	37~52	37	45	52
	106	53~60	53	57	60
	242	61~64	61	62	64
	484	65~66	65	-	66
	996	67	-	67	-

8.9. Worst case configuration and mode

Conducted test

1. All data rate of operation were investigated and the worst case results are reported.
(Worst case HE20, HE40, HE80: MCS0)

Radiated test

1. All modes of operation were investigated and the worst case configuration results are reported.
 - Mode : Stand alone, Stand alone + External accessories(Earphone, etc)
 - Worstcase : Stand alone
2. EUT Axis
 - Radiated Spurious Emissions : Y
 - Radiated Restricted Band Edge : Y
3. All data rate of operation were investigated and the worst case results are reported.
(Worst case : MCS0)
4. All Antenna of operation were investigated and the worst case results are reported
 - Mode : MIMO(SDM), SISO(Ant. 2)
 - Worstcase : MIMO(SDM), SISO(Ant. 2)
5. All position of loop antenna were investigated and the test result is a no critical peak found at all positions.
 - Position : Horizontal, Vertical, Parallel to the ground plane
6. All mode(Tone, RU Offset) of operation were investigated and the worst case configuration results are reported

TEST	TONE	RU OFFSET
RSE	[HE20] WORST CASE(HIGHEST POWER) : SU	None
	[HE20] ADDITIONAL TONE : 26T, 52T	4, 38
Band-Edge (UNII1,2A,2C)	MIMO [HE40] WORST CASE(HIGHEST POWER) : SU [HE80] WORST CASE(HIGHEST POWER) : SU	MIMO None
	SISO [HE20] WORST CASE : 26T	SISO 0, 4, 8
Band-Edge (UNII1,2A,2C)	MIMO [HE20] ADDITIONAL TONE : 26T, 52T,106T, 242T, SU [HE40] ADDITIONAL TONE : 26T, 52T, 106T, 242T, 484T [HE80] ADDITIONAL TONE : 26T, 52T, 106T, 242T, 484T, 996T	MIMO [HE20] Low Edge : 0, 37, 53, None High Edge : 8, 40, 54, None [HE40] Low Edge : 0, 37, 53, 61 High Edge : 17, 44, 53, 62 [HE80] Low Edge : 0, 36, 37, 53, 61, 65 High Edge : 0, 36, 52, 60, 64, 66
	SISO [HE20] ADDITIONAL TONE : 52T,106T, 242T, SU	SISO [HE20] Low Edge : 37, 53, 61, None High Edge : 40, 54, 61, None
Band-Edge (Straddle, UNII3)	MIMO [HE20] WORST CASE(HIGHEST POWER) : SU [HE40] WORST CASE(HIGHEST POWER) : SU [HE80] WORST CASE(HIGHEST POWER) : SU	None

Radiated test(RSDB)

1. All modes of operation were investigated and the worst case configuration results are reported.
 - Mode : Stand alone, Stand alone + External accessories(Earphone., etc)
 - Worstcase : Stand alone
2. EUT Axis
 - Radiated Spurious Emissions : X
3. . All of RSDB Scenario were investigated and the worst case configuration results are reported.
 - Worst case : 5 GHz WiFi MIMO + Bluetooth Ant.1

RSDB Scenario	5 GHz WiFi Ant.1	5 GHz WiFi Ant.2	Bluetooth Ant.1
5 GHz WiFi Ant.2 + Bluetooth Ant.1		on	on
5 GHz WiFi MIMO + Bluetooth Ant.1	<u>on</u>	<u>on</u>	<u>on</u>

4. The following tables show the worst case configurations determined during testing.

Description	Bluetooth Emission	5 GHz Emission
Antenna	WIFI/BT	WIFI/BT
Channel	78	100
Data Rate	1 Mbps	MCS0
Mode	GFSK: DH5	802.11ax (HE20) / SU

Note : WLAN 5 GHz RSDB Data refer to [BT] Test Report.

AC Power line Conducted Emissions

1. Please refer to the SM-A546B/DS[UNII] Test Report.

9. SUMMARY OF TEST RESULTS

Test Description	FCC Part Section(s)	Test Limit	Test Condition	Test Result
26 dB Bandwidth	§15.407	N/A	Conducted	PASS
6 dB Bandwidth	§15.407(e)	>500 kHz (5725-5850 MHz)(UNII-3)		PASS
Maximum Conducted Output Power	§15.407(a)(1),(2),(3)	< 250 mW(5150-5250 MHz) < 250 mW or 11+10log ₁₀ (BW) dBm (5250-5350 MHz) < 250 mW or 11+10log ₁₀ (BW) dBm (5470-5725 MHz) <1 W (5725-5850 MHz)		PASS
Maximum Power Spectral Density	§15.407(a)(1),(2),(3)	<11 dBm/ MHz (5150-5250 MHz) <11 dBm/ MHz (5250-5350 MHz) <11 dBm/ MHz (5470-5725 MHz) <30 dBm/500 kHz(5725-5850 MHz)		PASS
AC Conducted Emissions 150 kHz-30 MHz	15.207 15.407(b)(9)	<FCC 15.207 limits		PASS (Note)
Frequency Stability	§15.407(g) §2.1055	Maintained within the band		PASS (Note)
Undesirable Emissions	§15.407(b) (1),(2),(3),(4)	<-27 dBm/MHz EIRP (UNII1, 2A, 2C)		PASS
General Field Strength Limits(Restricted Bands and Radiated Emission Limits)	15.205, 15.407(b)(9),(10)	Emissions in restricted bands must meet the radiated limits detailed in 15.209	Radiated	PASS

Note:

1. Please refer to the SM-A546B/DS[UNII] Test Report.

10. TEST RESULT

10.1 DUTY CYCLE

[SISO]

Mode	Tone	Worst Data rate (Mbps)	T _{on} (ms)	T _{total} (ms)	Duty Cycle	Duty Cycle Factor (dB)
802.11ax (HE20)	26	MCS0	5.548	5.680	0.977	0.102
	52	MCS0	5.134	5.252	0.978	0.099
	106	MCS0	2.440	2.556	0.954	0.203
	242	MCS0	1.099	1.216	0.904	0.438
802.11ax (HE40)	26	MCS0	5.548	5.680	0.977	0.102
	52	MCS0	5.130	5.259	0.975	0.108
	106	MCS0	2.437	2.556	0.953	0.207
	242	MCS0	1.099	1.216	0.904	0.438
	484	MCS0	0.580	0.697	0.833	0.795
802.11ax (HE80)	26	MCS0	5.543	5.685	0.975	0.110
	52	MCS0	5.130	5.240	0.979	0.092
	106	MCS0	2.437	2.546	0.957	0.190
	242	MCS0	1.102	1.216	0.906	0.428
	484	MCS0	0.580	0.697	0.833	0.795
	996	MCS0	0.309	0.415	0.744	1.285
802.11ax (SU)	BW 20	MCS0	1.097	1.196	0.917	0.375
	BW 40	MCS0	0.578	0.676	0.854	0.686
	BW 80	MCS0	0.304	0.413	0.736	1.330

Note:

1. Duty Cycle Factor = $10 \cdot \log(1/\text{Duty Cycle})$. where, Duty Cycle = T_{on} / T_{total}

[MIMO]

Mode	Tones	Worst Data rate	T _{on} (ms)	T _{total} (ms)	Duty Cycle	Duty Cycle Factor (dB)
802.11ax (HE20)	26	MCS0	5.138	5.267	0.975	0.108
	52	MCS0	2.604	2.731	0.954	0.206
	106	MCS0	1.251	1.371	0.913	0.395
	242	MCS0	0.588	0.707	0.832	0.801
802.11ax (HE40)	26	MCS0	5.138	5.267	0.975	0.108
	52	MCS0	2.607	2.723	0.957	0.190
	106	MCS0	1.254	1.368	0.917	0.378
	242	MCS0	0.588	0.707	0.832	0.801
	484	MCS0	0.329	0.448	0.734	1.340
802.11ax (HE80)	26	MCS0	5.138	5.267	0.975	0.108
	52	MCS0	2.604	2.731	0.954	0.206
	106	MCS0	1.254	1.368	0.917	0.378
	242	MCS0	0.590	0.707	0.835	0.782
	484	MCS0	0.329	0.446	0.739	1.316
	996	MCS0	0.185	0.301	0.613	2.122
802.11ax (SU)	BW 20	MCS0	0.585	0.704	0.831	0.804
	BW 40	MCS0	0.324	0.443	0.731	1.358
	BW 80	MCS0	0.182	0.299	0.610	2.145

Note:

1. Duty Cycle Factor = $10 \cdot \log(1/\text{Duty Cycle})$. where, Duty Cycle = T_{on} / T_{total}

10.2 26 dB BANDWIDTH& 99% BANDWIDTH

Note :

Straddle channel data in the table below are for reporting purposes only.

Straddle channel data were added in section 10.6.1.

10.2.1 SISO(Ant. 2)

802.11ax(HE20)

HE20	Frequency [MHz]	Channel No.	RU Index	26 dB BandWidth (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 1	5180	36	Low	21.94	22.63	23.54	-	-
			Mid	18.42	18.99	-	35.90	36.86
			High	22.20	22.27	23.71	-	-
	5200	40	Low	22.01	22.75	23.55	-	-
			Mid	18.61	18.93	-	35.58	32.77
			High	22.11	22.63	23.50	-	-
	5240	48	Low	22.02	22.90	23.63	-	-
			Mid	18.28	18.99	-	32.55	37.39
			High	22.13	22.26	23.54	-	-
UNII 2A	5260	52	Low	22.14	22.68	23.56	-	-
			Mid	18.52	18.98	-	37.24	36.79
			High	21.98	22.55	23.72	-	-
	5280	56	Low	22.11	22.57	23.97	-	-
			Mid	18.50	19.00	-	32.59	35.38
			High	21.73	22.63	23.58	-	-
	5320	64	Low	22.16	22.71	23.79	-	-
			Mid	18.53	19.05	-	37.00	37.98
			High	22.10	22.68	23.28	-	-
UNII 2C	5500	100	Low	22.22	22.92	23.93	-	-
			Mid	18.61	18.95	-	36.06	34.42
			High	21.95	22.37	23.69	-	-
	5600	120	Low	21.78	22.71	23.91	-	-
			Mid	18.48	18.84	-	36.85	36.33
			High	21.85	22.17	23.52	-	-
	5720	144	Low	22.07	22.51	23.71	-	-
			Mid	18.55	18.83	-	35.27	33.97
			High	22.17	22.67	23.50	-	-

HE20	Frequency [MHz]	Channel No.	RU Index	26 dB BandWidth (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 3	5745	149	Low	21.81	22.45	23.65	-	-
			Mid	18.56	18.86	-	36.33	35.03
			High	21.93	22.26	23.47	-	-
	5785	157	Low	22.07	22.50	24.07	-	-
			Mid	18.34	18.92	-	37.24	37.23
			High	21.81	22.35	23.65	-	-
	5825	165	Low	22.08	22.52	23.96	-	-
			Mid	18.48	19.07	-	36.07	35.03
			High	22.04	23.30	23.41	-	-

802.11ax(HE40)

HE40	Frequency [MHz]	Channel No.	RU Index	26 dB BandWidth (MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 1	5190	38	Low	21.81	22.19	23.01	28.41	-	-
			Mid	22.34	23.16	25.11	-	46.99	45.95
			High	21.64	22.42	24.01	26.28	-	-
	5230	46	Low	21.62	21.90	22.25	27.18	-	-
			Mid	22.95	23.28	25.45	-	46.84	45.49
			High	21.94	22.71	24.61	26.94	-	-
UNII 2A	5270	54	Low	21.88	22.36	22.89	27.17	-	-
			Mid	22.87	23.18	25.14	-	47.40	46.45
			High	21.76	22.95	24.27	27.22	-	-
	5310	62	Low	21.57	22.54	22.67	27.03	-	-
			Mid	22.51	23.03	25.04	-	46.90	45.79
			High	22.05	22.15	24.20	26.90	-	-
UNII 2C	5510	102	Low	21.98	22.16	22.88	26.70	-	-
			Mid	23.13	23.10	24.89	-	46.22	46.04
			High	21.79	22.61	24.11	27.39	-	-
	5590	118	Low	21.64	22.52	22.68	27.07	-	-
			Mid	22.88	22.79	25.25	-	46.31	46.68
			High	21.98	22.70	23.54	27.95	-	-
	5710	142	Low	21.60	21.89	22.62	27.57	-	-
			Mid	22.36	23.08	24.81	-	46.51	46.48
			High	21.71	22.68	24.27	27.11	-	-
UNII 3	5755	151	Low	22.10	22.20	22.87	26.66	-	-
			Mid	23.05	23.48	24.67	-	46.55	45.78
			High	21.74	22.73	24.56	27.19	-	-
	5795	159	Low	21.77	22.38	23.35	27.68	-	-
			Mid	22.64	23.04	24.74	-	46.53	46.14
			High	21.92	22.69	24.26	28.08	-	-

802.11ax(HE80)

HE80	Freq. [MHz]	Channel No.	RU Index	26 dB BandWidth (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 1	5210	42	Low	23.78	23.47	24.24	28.63	47.36	-	-
			Mid	38.93	23.52	24.39	43.48	-	87.84	87.88
			High	24.46	23.70	24.95	29.02	47.60	-	-
UNII 2A	5290	58	Low	23.51	23.40	24.40	28.84	48.02	-	-
			Mid	38.96	23.65	23.92	44.62	-	87.93	89.89
			High	23.92	23.46	25.12	28.96	47.54	-	-
UNII 2C	5530	106	Low	24.66	23.12	24.42	28.72	46.61	-	-
			Mid	38.95	23.07	23.40	43.73	-	87.70	88.94
			High	24.06	24.01	24.40	30.06	46.55	-	-
	5610	122	Low	24.27	23.30	23.76	43.86	46.40	-	-
			Mid	38.96	23.89	23.56	43.51	-	87.84	87.88
			High	23.86	23.81	25.04	42.44	47.25	-	-
	5690	138	Low	24.56	23.20	24.19	28.40	46.69	-	-
			Mid	38.94	23.56	23.85	43.57	-	88.05	87.33
			High	23.75	23.76	24.37	28.09	47.24	-	-
UNII 3	5775	155	Low	24.16	23.87	24.38	30.14	47.12	-	-
			Mid	38.99	23.33	24.15	44.05	-	88.97	87.20
			High	23.88	23.99	25.03	29.21	47.19	-	-

99% BANDWIDTH
802.11ax(HE20)

HE20	Frequency [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 1	5180	36	Low	19.506	19.012	18.694	-	-
			Mid	16.986	17.053	-	19.902	19.933
			High	19.579	18.997	18.666	-	-
	5200	40	Low	19.559	19.013	18.686	-	-
			Mid	17.091	17.065	-	19.965	19.869
			High	19.630	18.952	18.643	-	-
	5240	48	Low	19.462	18.966	18.698	-	-
			Mid	16.985	17.087	-	19.967	19.873
			High	19.641	18.982	18.650	-	-
UNII 2A	5260	52	Low	19.520	19.003	18.689	-	-
			Mid	17.099	17.071	-	19.894	20.063
			High	19.584	19.010	18.661	-	-
	5280	56	Low	19.498	19.016	18.661	-	-
			Mid	16.914	17.086	-	19.918	19.977
			High	19.541	19.054	18.640	-	-
	5320	64	Low	19.488	19.053	18.719	-	-
			Mid	17.103	17.028	-	19.955	20.003
			High	19.573	18.924	18.678	-	-
UNII 2C	5500	100	Low	19.581	18.985	18.626	-	-
			Mid	17.020	17.052	-	19.887	19.894
			High	19.558	19.009	18.681	-	-
	5600	120	Low	19.433	19.006	18.659	-	-
			Mid	17.065	17.034	-	19.939	19.955
			High	19.557	18.938	18.657	-	-
	5720	144	Low	19.471	19.079	18.689	-	-
			Mid	17.010	17.079	-	19.927	19.914
			High	19.538	19.027	18.708	-	-
UNII 3	5745	149	Low	19.513	19.054	18.646	-	-
			Mid	16.940	17.075	-	19.906	19.918
			High	19.603	18.974	18.642	-	-

HE20	Frequency [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)				
				26 T	52 T	106 T	242 T	SU
	5785	157	Low	19.458	18.947	18.659	-	-
Mid			17.054	17.074	-	19.921	19.921	
High			19.528	19.011	18.704	-	-	
	5825	165	Low	19.553	19.009	18.673	-	-
Mid			17.098	17.063	-	19.937	19.985	
High			19.620	19.070	18.700	-	-	

802.11ax(HE40)

HE40	Frequency [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 1	5190	38	Low	19.376	18.616	18.191	19.526	-	-
			Mid	20.274	19.449	19.097	-	38.150	38.119
			High	19.372	18.758	18.433	19.480	-	-
	5230	46	Low	19.309	18.651	18.291	19.457	-	-
			Mid	20.315	19.410	19.028	-	38.121	38.113
			High	19.407	18.747	18.300	19.526	-	-
UNII 2A	5270	54	Low	19.436	18.621	18.151	19.517	-	-
			Mid	20.343	19.411	19.023	-	38.111	38.183
			High	19.416	18.749	18.354	19.492	-	-
	5310	62	Low	19.307	18.649	18.201	19.492	-	-
			Mid	20.173	19.490	19.167	-	38.143	38.136
			High	19.496	18.679	18.332	19.457	-	-
UNII 2C	5510	102	Low	19.256	18.642	18.147	19.457	-	-
			Mid	20.263	19.490	19.073	-	38.158	38.133
			High	19.495	18.833	18.236	19.463	-	-
	5590	118	Low	19.267	18.671	18.176	19.498	-	-
			Mid	20.268	19.464	19.116	-	38.116	38.135
			High	19.430	18.773	18.348	19.509	-	-
	5710	142	Low	19.309	18.711	18.265	19.476	-	-
			Mid	20.141	19.575	19.019	-	38.122	38.124
			High	19.435	18.722	18.264	19.445	-	-
UNII 3	5755	151	Low	19.472	18.747	18.210	19.461	-	-
			Mid	20.360	19.434	19.205	-	38.176	38.145
			High	19.442	18.683	18.295	19.480	-	-
	5795	159	Low	19.299	18.577	18.270	19.465	-	-
			Mid	20.265	19.547	19.020	-	38.174	38.176
			High	19.568	18.630	18.373	19.606	-	-

802.11ax(HE80)

HE80	Freq. [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 1	5210	42	Low	20.624	19.593	19.043	20.592	38.313	-	-
			Mid	36.206	19.360	18.641	37.564	-	77.897	77.948
			High	20.755	19.665	19.314	20.573	38.350	-	-
UNII 2A	5290	58	Low	20.556	19.686	19.171	20.530	38.304	-	-
			Mid	36.249	19.363	18.853	37.702	-	77.852	77.994
			High	20.737	19.756	19.161	20.531	38.374	-	-
UNII 2C	5530	106	Low	20.725	19.599	19.089	20.538	38.280	-	-
			Mid	36.253	19.298	18.598	37.581	-	77.958	77.937
			High	20.707	19.671	19.096	20.546	38.381	-	-
	5610	122	Low	20.679	19.604	18.996	20.519	38.312	-	-
			Mid	36.269	19.158	18.615	37.624	-	77.880	78.056
			High	20.729	19.822	19.206	20.565	38.353	-	-
	5690	138	Low	20.710	19.715	19.087	20.598	38.313	-	-
			Mid	36.312	19.362	18.710	37.700	-	77.927	77.875
			High	20.709	19.673	19.178	20.634	38.413	-	-
UNII 3	5775	155	Low	20.696	19.551	19.046	20.490	38.212	-	-
			Mid	36.313	19.280	18.631	37.521	-	77.933	77.952
			High	20.670	19.532	19.181	20.522	38.320	-	-

10.2.2 MIMO Ant. 1
802.11ax(HE20)

HE20	Frequency [MHz]	Channel No.	RU Index	26 dB BandWidth (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 1	5180	36	Low	22.10	22.59	23.37	-	-
			Mid	18.75	19.02	-	33.58	35.17
			High	22.28	22.56	23.74	-	-
	5200	40	Low	22.06	22.99	23.83	-	-
			Mid	18.87	19.05	-	34.11	35.23
			High	22.21	22.60	23.82	-	-
	5240	48	Low	22.34	22.54	24.10	-	-
			Mid	18.80	19.12	-	35.59	33.56
			High	22.05	22.57	23.86	-	-
UNII 2A	5260	52	Low	22.57	22.85	23.59	-	-
			Mid	18.92	19.03	-	32.68	35.23
			High	22.02	22.40	23.85	-	-
	5280	56	Low	22.27	22.81	23.43	-	-
			Mid	18.78	19.03	-	33.75	34.45
			High	22.16	22.18	23.75	-	-
	5320	64	Low	22.04	23.20	23.75	-	-
			Mid	18.56	19.07	-	35.27	34.87
			High	22.25	22.26	23.60	-	-
UNII 2C	5500	100	Low	22.39	22.63	23.67	-	-
			Mid	18.86	19.07	-	33.59	33.47
			High	22.18	22.65	23.89	-	-
	5600	120	Low	22.43	23.07	23.93	-	-
			Mid	18.89	19.01	-	33.43	33.81
			High	22.06	22.44	23.79	-	-
	5720	144	Low	22.58	22.86	23.63	-	-
			Mid	18.66	19.02	-	35.33	34.79
			High	22.20	22.58	23.78	-	-
UNII 3	5745	149	Low	22.05	22.50	24.05	-	-
			Mid	18.85	18.98	-	31.76	35.47
			High	22.05	22.49	23.75	-	-

HE20	Frequency [MHz]	Channel No.	RU Index	26 dB BandWidth (MHz)				
				26 T	52 T	106 T	242 T	SU
	5785	157	Low	22.48	22.65	24.01	-	-
			Mid	18.89	19.07	-	35.32	32.77
			High	22.36	22.40	23.61	-	-
	5825	165	Low	22.29	22.82	24.13	-	-
			Mid	18.81	19.07	-	35.19	33.24
			High	22.06	22.52	23.92	-	-

802.11ax(HE40)

HE40	Frequency [MHz]	Channel No.	RU Index	26 dB BandWidth (MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 1	5190	38	Low	22.79	22.98	23.70	26.68	-	-
			Mid	22.69	22.95	25.45	-	45.72	45.88
			High	22.79	23.00	24.60	28.00	-	-
	5230	46	Low	21.63	23.30	23.41	27.69	-	-
			Mid	22.49	22.53	25.14	-	45.56	45.99
			High	22.11	23.02	24.20	28.58	-	-
UNII 2A	5270	54	Low	22.95	22.75	23.57	27.94	-	-
			Mid	22.69	22.84	25.20	-	46.01	46.04
			High	22.77	23.06	24.53	28.08	-	-
	5310	62	Low	21.68	23.04	23.43	27.78	-	-
			Mid	22.73	22.79	25.69	-	45.48	45.92
			High	22.76	23.40	23.87	27.69	-	-
UNII 2C	5510	102	Low	21.72	23.19	23.52	27.53	-	-
			Mid	22.68	22.76	25.56	-	46.08	45.60
			High	22.44	22.78	24.40	27.93	-	-
	5590	118	Low	21.65	22.79	24.02	27.53	-	-
			Mid	23.13	23.35	25.08	-	46.04	46.30
			High	22.72	22.78	24.53	28.59	-	-
	5710	142	Low	21.80	22.67	22.93	28.02	-	-
			Mid	22.91	23.00	25.54	-	45.59	45.68
			High	22.36	23.08	24.57	28.98	-	-
UNII 3	5755	151	Low	21.67	22.44	23.57	28.14	-	-
			Mid	22.67	23.11	25.02	-	45.66	45.94
			High	22.60	23.07	24.52	27.42	-	-
	5795	159	Low	22.04	22.94	23.56	28.07	-	-
			Mid	22.42	22.92	25.37	-	45.76	45.69
			High	22.32	22.68	24.47	28.12	-	-

802.11ax(HE80)

HE80	Freq. [MHz]	Channel No.	RU Index	26 dB BandWidth (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 1	5210	42	Low	24.14	23.67	24.67	44.09	46.97	-	-
			Mid	39.41	23.80	24.27	44.85	-	88.21	87.80
			High	25.15	23.92	25.72	44.81	46.05	-	-
UNII 2A	5290	58	Low	23.34	24.11	24.56	43.97	46.97	-	-
			Mid	39.34	23.20	24.82	45.74	-	87.12	87.75
			High	24.89	23.64	24.66	43.75	46.36	-	-
UNII 2C	5530	106	Low	23.46	24.11	25.05	43.97	46.99	-	-
			Mid	39.12	23.37	24.17	46.00	-	86.95	88.06
			High	24.34	24.29	25.80	43.02	46.68	-	-
	5610	122	Low	23.57	23.76	24.85	44.37	46.53	-	-
			Mid	38.77	24.16	24.53	46.97	-	88.08	87.62
			High	24.68	23.89	25.22	44.34	46.77	-	-
	5690	138	Low	23.61	23.68	24.45	44.45	46.25	-	-
			Mid	39.21	23.85	25.12	45.35	-	87.88	87.04
			High	24.75	23.89	25.56	44.36	47.34	-	-
UNII 3	5775	155	Low	23.48	24.11	24.60	43.51	47.82	-	-
			Mid	39.20	23.11	23.91	44.63	-	87.25	87.68
			High	25.02	24.28	25.55	43.36	47.86	-	-

99% BANDWIDTH
802.11ax(HE20)

HE20	Frequency [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 1	5180	36	Low	19.549	19.115	18.670	-	-
			Mid	17.154	17.144	-	19.895	19.896
			High	19.569	18.993	18.713	-	-
	5200	40	Low	19.599	19.098	18.655	-	-
			Mid	17.121	17.158	-	19.884	19.963
			High	19.651	19.044	18.723	-	-
	5240	48	Low	19.624	19.139	18.622	-	-
			Mid	17.114	17.125	-	19.889	19.914
			High	19.567	19.149	18.735	-	-
UNII 2A	5260	52	Low	19.542	19.130	18.630	-	-
			Mid	17.064	17.155	-	19.989	19.922
			High	19.591	19.057	18.717	-	-
	5280	56	Low	19.627	19.122	18.607	-	-
			Mid	17.125	17.124	-	19.858	19.990
			High	19.614	19.081	18.757	-	-
	5320	64	Low	19.606	19.171	18.628	-	-
			Mid	17.086	17.151	-	19.910	19.944
			High	19.612	19.048	18.699	-	-
UNII 2C	5500	100	Low	19.572	19.117	18.672	-	-
			Mid	17.104	17.127	-	19.856	19.905
			High	19.646	19.061	18.718	-	-
	5600	120	Low	19.597	19.102	18.662	-	-
			Mid	17.124	17.141	-	19.911	19.947
			High	19.609	19.021	18.748	-	-
	5720	144	Low	19.596	19.149	18.672	-	-
			Mid	17.127	17.134	-	19.900	19.886
			High	19.654	18.992	18.702	-	-
UNII 3	5745	149	Low	19.550	19.143	18.590	-	-
			Mid	17.137	17.135	-	19.840	19.892
			High	19.616	19.023	18.765	-	-

HE20	Frequency [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)				
				26 T	52 T	106 T	242 T	SU
	5785	157	Low	19.670	19.181	18.645	-	-
			Mid	17.135	17.129	-	19.890	19.950
			High	19.645	19.000	18.753	-	-
	5825	165	Low	19.635	19.240	18.687	-	-
			Mid	17.152	17.161	-	19.905	19.885
			High	19.602	19.095	18.711	-	-

802.11ax(HE40)

HE40	Frequency [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 1	5190	38	Low	19.342	19.431	18.217	19.485	-	-
			Mid	20.058	18.737	19.041	-	38.157	38.150
			High	19.464	18.776	18.431	19.574	-	-
	5230	46	Low	19.385	19.499	18.265	19.492	-	-
			Mid	20.232	18.831	19.093	-	38.148	38.153
			High	19.401	18.840	18.412	19.558	-	-
UNII 2A	5270	54	Low	18.787	18.725	18.252	19.517	-	-
			Mid	20.136	19.411	19.076	-	38.139	38.117
			High	19.460	18.859	18.497	19.516	-	-
	5310	62	Low	19.347	18.772	18.222	19.493	-	-
			Mid	20.091	19.373	19.025	-	38.118	38.155
			High	19.492	18.822	18.421	19.556	-	-
UNII 2C	5510	102	Low	19.370	18.720	18.237	19.521	-	-
			Mid	20.146	19.382	19.137	-	38.194	38.141
			High	19.319	18.822	18.500	19.499	-	-
	5590	118	Low	19.336	18.734	18.278	19.521	-	-
			Mid	20.209	19.425	19.043	-	38.086	38.131
			High	19.453	18.898	18.446	19.500	-	-
	5710	142	Low	19.339	18.579	18.175	19.478	-	-
			Mid	20.126	19.428	19.165	-	38.185	38.105
			High	19.556	18.768	18.389	19.526	-	-
UNII 3	5755	151	Low	19.266	18.640	18.236	19.500	-	-
			Mid	20.207	19.440	19.077	-	38.142	38.175
			High	19.407	18.832	18.414	19.515	-	-
	5795	159	Low	19.288	18.721	18.250	19.464	-	-
			Mid	20.167	19.439	19.125	-	38.147	38.106
			High	19.396	18.736	18.361	19.467	-	-

802.11ax(HE80)

HE80	Freq. [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 1	5210	42	Low	20.782	19.851	19.189	20.623	38.455	-	-
			Mid	36.551	19.242	18.759	37.853	-	77.853	77.849
			High	20.683	19.806	19.331	20.539	38.375	-	-
UNII 2A	5290	58	Low	20.564	19.575	19.053	20.541	38.346	-	-
			Mid	36.550	19.329	18.867	37.640	-	77.915	77.876
			High	20.639	19.787	19.183	20.555	38.369	-	-
UNII 2C	5530	106	Low	20.517	19.742	19.192	20.652	38.401	-	-
			Mid	36.606	19.284	18.731	37.611	-	77.898	77.837
			High	20.619	20.077	19.343	20.499	38.440	-	-
	5610	122	Low	20.718	19.862	19.073	20.473	38.250	-	-
			Mid	36.456	19.493	18.720	37.786	-	77.976	77.893
			High	20.681	19.866	19.236	20.615	38.337	-	-
	5690	138	Low	20.558	19.607	19.056	20.655	38.356	-	-
			Mid	36.639	19.552	18.726	37.787	-	77.892	77.965
			High	20.711	19.808	19.354	20.571	38.364	-	-
UNII 3	5775	155	Low	20.546	19.663	19.218	20.551	38.380	-	-
			Mid	36.561	19.465	18.712	37.644	-	77.894	77.937
			High	20.762	19.808	19.489	20.496	38.466	-	-

10.2.3 MIMO Ant. 2
802.11ax(HE20)

HE20	Frequency [MHz]	Channel No.	RU Index	26 dB BandWidth (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 1	5180	36	Low	21.99	21.92	22.70	-	-
			Mid	18.38	19.10	-	31.22	31.51
			High	21.60	21.85	22.63	-	-
	5200	40	Low	21.83	22.03	23.78	-	-
			Mid	18.30	19.07	-	31.34	30.67
			High	21.35	22.32	22.97	-	-
	5240	48	Low	21.81	21.89	23.96	-	-
			Mid	18.38	18.87	-	34.14	34.97
			High	21.70	22.17	23.14	-	-
UNII 2A	5260	52	Low	21.67	22.50	22.65	-	-
			Mid	18.48	18.94	-	29.83	34.06
			High	21.58	22.07	22.38	-	-
	5280	56	Low	22.11	21.91	23.57	-	-
			Mid	18.33	18.87	-	34.30	33.96
			High	21.52	22.13	22.86	-	-
	5320	64	Low	21.96	21.93	22.63	-	-
			Mid	18.45	18.93	-	30.55	35.78
			High	21.62	22.12	23.09	-	-
UNII 2C	5500	100	Low	21.69	21.98	23.07	-	-
			Mid	18.44	18.94	-	31.56	30.51
			High	21.66	21.93	22.80	-	-
	5600	120	Low	21.78	22.35	22.87	-	-
			Mid	18.49	18.97	-	35.23	31.30
			High	21.77	22.01	23.04	-	-
	5720	144	Low	21.68	22.65	23.01	-	-
			Mid	18.41	19.00	-	29.96	30.44
			High	21.57	22.31	23.08	-	-
UNII 3	5745	149	Low	21.85	22.33	23.16	-	-
			Mid	18.49	19.02	-	30.86	30.58
			High	21.75	22.35	22.91	-	-

HE20	Frequency [MHz]	Channel No.	RU Index	26 dB BandWidth (MHz)				
				26 T	52 T	106 T	242 T	SU
	5785	157	Low	22.02	22.73	23.89	-	-
Mid			18.37	19.03	-	29.52	38.26	
High			21.61	22.83	22.70	-	-	
	5825	165	Low	22.35	22.27	23.05	-	-
Mid			18.48	18.86	-	30.56	30.26	
High			21.72	22.12	22.75	-	-	

802.11ax(HE40)

HE40	Frequency [MHz]	Channel No.	RU Index	26 dB BandWidth (MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 1	5190	38	Low	21.67	22.02	23.63	26.89	-	-
			Mid	22.45	23.10	25.06	-	45.53	45.35
			High	22.25	23.09	24.15	26.57	-	-
	5230	46	Low	21.49	21.37	23.61	26.62	-	-
			Mid	22.61	22.66	24.63	-	45.66	44.45
			High	22.41	23.01	23.55	27.44	-	-
UNII 2A	5270	54	Low	21.70	21.63	23.58	26.00	-	-
			Mid	22.73	22.20	24.56	-	45.48	45.88
			High	22.64	22.61	23.78	26.87	-	-
	5310	62	Low	21.42	22.07	23.96	26.58	-	-
			Mid	22.17	22.89	24.71	-	45.81	44.19
			High	22.91	22.86	23.54	27.74	-	-
UNII 2C	5510	102	Low	21.22	21.83	24.34	26.47	-	-
			Mid	22.45	23.39	24.93	-	45.49	44.56
			High	22.67	22.57	23.33	27.82	-	-
	5590	118	Low	21.97	21.49	24.30	26.68	-	-
			Mid	22.54	22.78	24.63	-	45.16	44.94
			High	22.33	22.84	23.63	26.58	-	-
	5710	142	Low	21.78	21.59	24.10	26.48	-	-
			Mid	22.16	22.83	24.67	-	46.01	46.03
			High	22.61	22.83	23.47	26.49	-	-
UNII 3	5755	151	Low	21.40	21.76	23.95	26.01	-	-
			Mid	22.81	22.93	24.55	-	44.45	44.66
			High	22.56	23.55	23.37	26.24	-	-
	5795	159	Low	21.84	21.93	23.77	26.82	-	-
			Mid	22.11	22.53	24.93	-	45.05	45.31
			High	21.71	22.60	24.06	27.57	-	-

802.11ax(HE80)

HE80	Freq. [MHz]	Channel No.	RU Index	26 dB BandWidth (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 1	5210	42	Low	23.31	23.62	24.50	28.35	47.99	-	-
			Mid	39.18	22.86	23.83	43.22	-	86.88	87.28
			High	23.52	24.18	24.13	27.96	46.99	-	-
UNII 2A	5290	58	Low	23.15	23.13	24.42	27.47	46.72	-	-
			Mid	38.95	23.38	24.48	42.90	-	87.06	86.60
			High	23.77	23.98	24.18	28.53	47.25	-	-
UNII 2C	5530	106	Low	23.32	23.02	24.68	28.42	45.80	-	-
			Mid	39.07	22.89	24.48	42.93	-	87.22	86.10
			High	23.60	24.26	24.62	27.93	47.04	-	-
	5610	122	Low	23.29	23.08	24.90	27.88	46.52	-	-
			Mid	39.08	23.06	24.36	43.61	-	85.82	87.47
			High	23.79	24.07	24.43	27.45	46.65	-	-
	5690	138	Low	23.25	23.46	24.20	27.53	47.08	-	-
			Mid	38.93	22.72	23.51	43.03	-	86.86	85.65
			High	23.44	24.03	23.66	28.37	46.26	-	-
UNII 3	5775	155	Low	23.42	22.81	24.21	28.54	45.53	-	-
			Mid	39.10	23.09	23.69	43.31	-	86.77	86.76
			High	24.03	24.36	24.28	28.47	47.42	-	-

99% BANDWIDTH
802.11ax(HE20)

HE20	Frequency [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 1	5180	36	Low	19.399	18.951	18.582	-	-
			Mid	17.040	17.069	-	19.824	19.794
			High	19.420	18.947	18.556	-	-
	5200	40	Low	19.402	18.971	18.720	-	-
			Mid	17.025	17.093	-	19.836	19.842
			High	19.393	18.946	18.576	-	-
	5240	48	Low	19.423	18.916	18.579	-	-
			Mid	17.045	17.068	-	19.842	19.894
			High	19.400	18.960	18.595	-	-
UNII 2A	5260	52	Low	19.374	18.980	18.639	-	-
			Mid	17.051	17.030	-	19.842	19.940
			High	19.393	18.961	18.554	-	-
	5280	56	Low	19.449	18.944	18.658	-	-
			Mid	17.040	17.067	-	19.828	19.883
			High	19.508	18.977	18.569	-	-
	5320	64	Low	19.503	18.939	18.647	-	-
			Mid	17.106	17.080	-	19.831	19.925
			High	19.305	18.932	18.625	-	-
UNII 2C	5500	100	Low	19.454	18.891	18.677	-	-
			Mid	17.079	17.080	-	19.837	19.803
			High	19.373	18.886	18.609	-	-
	5600	120	Low	19.440	18.919	18.589	-	-
			Mid	16.985	17.074	-	19.854	19.912
			High	19.400	18.911	18.549	-	-
	5720	144	Low	19.427	18.878	18.587	-	-
			Mid	16.991	17.079	-	19.856	19.855
			High	19.351	18.885	18.595	-	-
UNII 3	5745	149	Low	19.429	19.035	18.683	-	-
			Mid	17.006	17.043	-	19.820	19.879
			High	19.400	18.988	18.576	-	-

HE20	Frequency [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)				
				26 T	52 T	106 T	242 T	SU
	5785	157	Low	19.381	18.853	18.691	-	-
Mid			17.009	17.110	-	19.840	19.903	
High			19.466	18.975	18.588	-	-	
	5825	165	Low	19.415	18.936	18.623	-	-
Mid			17.091	17.078	-	19.824	19.808	
High			19.359	19.016	18.612	-	-	

802.11ax(HE40)

HE40	Frequency [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 1	5190	38	Low	19.173	18.670	18.303	19.376	-	-
			Mid	19.969	19.444	18.977	-	38.049	38.043
			High	19.305	18.808	18.298	19.467	-	-
	5230	46	Low	19.163	18.679	18.236	19.413	-	-
			Mid	20.053	19.280	19.014	-	38.059	38.056
			High	19.100	18.794	18.274	19.385	-	-
UNII 2A	5270	54	Low	19.216	18.655	18.217	19.294	-	-
			Mid	19.964	19.336	18.946	-	38.051	38.036
			High	19.275	18.700	18.303	19.336	-	-
	5310	62	Low	19.285	18.578	18.286	19.401	-	-
			Mid	19.986	19.445	19.056	-	38.076	38.065
			High	19.373	18.709	18.246	19.423	-	-
UNII 2C	5510	102	Low	19.232	18.659	18.288	19.370	-	-
			Mid	20.058	19.443	18.987	-	38.113	38.099
			High	19.256	18.671	18.237	19.414	-	-
	5590	118	Low	19.107	18.641	18.253	19.350	-	-
			Mid	20.001	19.487	18.976	-	38.033	38.055
			High	19.333	18.734	18.266	19.422	-	-
	5710	142	Low	19.272	18.550	18.186	19.313	-	-
			Mid	19.963	19.350	18.985	-	38.053	38.069
			High	19.329	18.725	18.228	19.427	-	-
UNII 3	5755	151	Low	19.309	18.617	18.240	19.298	-	-
			Mid	19.978	19.333	18.982	-	38.068	38.005
			High	19.185	18.789	18.315	19.375	-	-
	5795	159	Low	19.245	18.539	18.228	19.321	-	-
			Mid	19.938	19.327	19.069	-	38.130	38.094
			High	19.222	18.773	18.321	19.401	-	-

802.11ax(HE80)

HE80	Freq. [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 1	5210	42	Low	20.134	19.443	18.896	20.231	38.269	-	-
			Mid	36.485	19.070	18.571	37.398	-	77.795	77.816
			High	20.467	19.643	18.915	20.174	38.090	-	-
UNII 2A	5290	58	Low	20.452	19.378	18.968	20.210	38.074	-	-
			Mid	36.506	18.974	18.607	37.387	-	77.764	77.717
			High	20.429	19.620	18.979	20.311	38.258	-	-
UNII 2C	5530	106	Low	20.433	19.427	19.005	20.255	38.206	-	-
			Mid	36.542	19.078	18.460	37.312	-	77.804	77.841
			High	20.353	19.637	19.026	20.275	38.212	-	-
	5610	122	Low	20.228	19.368	18.936	20.310	38.088	-	-
			Mid	36.442	19.056	18.615	37.380	-	77.718	77.858
			High	20.311	19.618	18.961	20.176	38.219	-	-
	5690	138	Low	20.375	19.593	18.985	20.224	38.020	-	-
			Mid	36.317	19.080	18.611	37.322	-	77.730	77.801
			High	20.418	19.600	18.961	20.343	38.097	-	-
UNII 3	5775	155	Low	20.488	19.436	18.954	20.233	38.076	-	-
			Mid	36.494	19.060	18.605	37.367	-	77.752	77.775
			High	20.437	19.809	18.953	20.248	38.288	-	-

10.3 6 dB BANDWIDTH

Note:

Limit: > 0.5 MHz

10.3.1 SISO(Ant. 2)

802.11ax(HE20)

HE20	Frequency [MHz]	Channel No.	RU Index	6 dB BandWidth (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 3	5745	149	Low	2.109	17.04	17.22	-	-
			Mid	2.693	15.07	-	19.66	19.56
			High	2.118	17.09	17.21	-	-
	5785	157	Low	2.102	17.08	17.21	-	-
			Mid	2.691	14.98	-	19.61	19.59
			High	2.119	17.05	17.21	-	-
	5825	165	Low	2.137	17.04	17.22	-	-
			Mid	2.696	15.07	-	19.48	19.57
			High	2.126	17.00	17.20	-	-

802.11ax(HE40)

HE40	Frequency [MHz]	Channel No.	RU Index	6 dB BandWidth (MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 3	5755	151	Low	2.147	15.34	16.68	18.93	-	-
			Mid	2.153	17.33	17.38	-	38.20	38.22
			High	2.174	16.63	16.71	18.92	-	-
	5795	159	Low	2.177	16.64	16.68	18.93	-	-
			Mid	2.165	17.32	17.40	-	38.20	38.21
			High	2.180	16.61	16.71	18.92	-	-

802.11ax(HE80)

HE80	Frequency [MHz]	Channel No.	RU Index	6 dB BandWidth (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 3	5775	155	Low	2.253	16.60	16.83	18.99	37.92	-	-
			Mid	2.811	15.12	16.50	36.54	-	78.26	78.29
			High	2.244	16.69	16.82	18.99	37.96	-	-

10.3.2 MIMO Ant. 1
802.11ax(HE20)

HE20	Frequency [MHz]	Channel No.	RU Index	6 dB BandWidth (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 3	5745	149	Low	2.126	17.06	17.21	-	-
			Mid	2.643	10.36	-	19.38	19.33
			High	2.106	17.06	17.20	-	-
	5785	157	Low	2.119	17.06	17.20	-	-
			Mid	2.685	15.08	-	19.57	19.23
			High	2.121	17.06	17.23	-	-
	5825	165	Low	2.071	17.06	17.19	-	-
			Mid	2.670	15.06	-	19.49	19.36
			High	2.126	17.03	17.22	-	-

802.11ax(HE40)

HE40	Frequency [MHz]	Channel No.	RU Index	6 dB BandWidth (MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 3	5755	151	Low	2.130	16.62	16.67	18.91	-	-
			Mid	2.106	17.30	17.39	-	38.19	38.22
			High	2.165	16.58	16.69	18.90	-	-
	5795	159	Low	2.144	16.61	16.68	18.93	-	-
			Mid	2.142	17.34	17.36	-	38.19	38.20
			High	2.153	15.40	16.68	18.89	-	-

802.11ax(HE80)

HE80	Frequency [MHz]	Channel No.	RU Index	6 dB BandWidth (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 3	5775	155	Low	2.269	4.264	16.87	18.96	37.91	-	-
			Mid	2.794	16.27	16.45	36.50	-	78.28	78.29
			High	2.238	16.77	16.85	19.00	37.99	-	-

10.3.3 MIMO Ant. 2

802.11ax(HE20)

HE20	Frequency [MHz]	Channel No.	RU Index	6 dB BandWidth (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 3	5745	149	Low	2.117	17.08	17.21	-	-
			Mid	2.679	15.01	-	19.66	19.52
			High	2.155	17.01	17.22	-	-
	5785	157	Low	2.130	17.07	17.20	-	-
			Mid	2.694	15.04	-	19.63	19.52
			High	2.110	17.10	17.22	-	-
	5825	165	Low	2.085	17.09	17.22	-	-
			Mid	2.702	15.05	-	19.52	19.58
			High	2.073	17.08	17.17	-	-

802.11ax(HE40)

HE40	Frequency [MHz]	Channel No.	RU Index	6 dB BandWidth (MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 3	5755	151	Low	2.158	16.63	16.69	18.92	-	-
			Mid	2.112	17.33	17.38	-	38.24	38.23
			High	2.163	16.60	16.72	18.92	-	-
	5795	159	Low	2.151	16.63	16.69	18.95	-	-
			Mid	2.142	17.33	17.39	-	38.23	38.21
			High	2.152	15.41	16.69	18.92	-	-

802.11ax(HE80)

HE80	Frequency [MHz]	Channel No.	RU Index	6 dB BandWidth (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 3	5775	155	Low	2.268	14.21	16.86	18.97	37.92	-	-
			Mid	2.816	16.21	16.49	36.52	-	78.29	78.26
			High	2.246	16.58	16.85	19.01	37.96	-	-

10.4 OUTPUT POWER MEASUREMENT

Note:

1. Straddle channel data in the table below are for reporting purposes only and added in section 10.6.3.

2. The Output Power Limit was as follows.

UNII 1 : 23.98 dBm

UNII 2A, 2C : 23.98 dBm or 11 dBm + 10 log B, (where B is the 26 dB emission bandwidth in megahertz.)

UNII 3 : 30.00 dBm

10.4.1 SISO(Ant. 2)

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)				
					26 T	52 T	106 T	242 T	SU
Max Output Power (dBm)	UNII 1	5180	36	Low	9.45	9.60	9.54	-	-
				Mid	9.61	9.55	-	9.32	16.10
				High	9.55	9.53	9.47	-	-
		5200	40	Low	9.21	9.55	9.53	-	-
				Mid	8.93	9.60	-	9.23	16.60
				High	9.18	9.43	9.62	-	-
		5240	48	Low	9.82	9.83	9.90	-	-
				Mid	9.86	9.80	-	9.85	16.60
				High	9.81	9.84	9.90	-	-
	UNII 2a	5260	52	Low	9.85	9.86	9.92	-	-
				Mid	9.68	9.81	-	9.62	16.69
				High	9.61	9.61	9.69	-	-
		5280	56	Low	9.51	9.48	9.47	-	-
				Mid	9.21	9.41	-	9.23	16.46
				High	9.49	9.41	9.35	-	-
		5320	64	Low	9.63	9.61	9.47	-	-
				Mid	9.57	9.55	-	9.32	16.34
				High	9.55	9.61	9.49	-	-
	UNII 2c	5500	100	Low	9.35	9.38	9.37	-	-
				Mid	9.37	9.32	-	9.13	16.62
				High	9.40	9.40	9.35	-	-
		5600	120	Low	9.42	9.42	9.52	-	-
				Mid	9.65	9.48	-	9.31	16.73
				High	9.51	9.53	9.51	-	-
5720		144	Low	9.72	9.80	9.85	-	-	
			Mid	9.68	9.70	-	9.43	16.94	

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)				
					26 T	52 T	106 T	242 T	SU
UNII 3	5745	149	High	9.83	9.84	9.81	-	-	
			Low	9.67	9.64	9.61	-	-	
			Mid	9.58	9.63	-	9.29	16.65	
	5785	157	High	9.49	9.47	9.49	-	-	
			Low	9.37	9.26	9.23	-	-	
			Mid	9.16	9.20	-	8.95	16.32	
	5825	165	High	9.08	9.04	9.15	-	-	
			Low	9.65	9.64	9.63	-	-	
			Mid	9.64	9.58	-	9.38	16.82	
				High	9.58	9.57	9.58	-	-

HE40		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)					
					26 T	52 T	106 T	242 T	484 T	SU
Max Output Power (dBm)	UNII 1	5190	38	Low	9.24	9.39	9.29	9.23	-	-
				Mid	9.18	9.02	9.11	-	9.48	14.54
				High	8.96	8.99	9.03	9.09	-	-
		5230	46	Low	9.45	9.82	9.79	9.69	-	-
				Mid	9.51	9.55	9.59	-	9.72	14.87
				High	9.53	9.46	9.53	9.54	-	-
	UNII 2a	5270	54	Low	9.78	9.84	9.84	9.62	-	-
				Mid	9.27	9.19	9.43	-	9.54	14.72
				High	8.96	9.00	9.05	9.27	-	-
		5310	62	Low	9.39	9.33	9.36	9.22	-	-
				Mid	9.27	9.26	9.25	-	9.30	14.43
				High	9.46	9.29	9.32	9.20	-	-
	UNII 2c	5510	102	Low	9.26	9.52	9.54	9.43	-	-
				Mid	9.46	9.44	9.47	-	9.49	14.85
				High	9.74	9.64	9.62	9.62	-	-
		5590	118	Low	9.69	9.91	9.85	9.69	-	-
				Mid	9.43	9.33	9.50	-	9.56	14.39
				High	9.23	9.26	9.21	9.32	-	-
	5710	142	Low	9.25	9.55	9.46	9.55	-	-	
			Mid	9.43	9.40	9.55	-	9.58	14.64	
			High	9.51	9.17	9.45	9.53	-	-	
	UNII 3	5755	151	Low	9.33	9.30	9.30	9.19	-	-
				Mid	8.95	8.86	9.01	-	9.33	14.40
				High	8.95	8.93	8.92	9.05	-	-
5795		159	Low	9.49	9.64	9.54	9.39	-	-	
			Mid	9.10	9.26	9.36	-	9.34	14.38	
			High	9.08	9.28	9.25	9.26	-	-	

HE80		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output Power (dBm)	UNII 1	5210	42	Low	9.82	9.60	9.54	9.37	9.58	-	-
				Mid	9.44	9.25	9.39	9.43	-	9.79	11.77
				High	9.52	9.23	9.15	9.24	9.45	-	-
	UNII 2A	5290	58	Low	9.50	9.39	9.36	9.23	9.43	-	-
				Mid	9.20	9.04	9.12	9.25	-	9.25	11.27
				High	9.54	9.45	9.39	9.39	9.26	-	-
	UNII 2C	5530	106	Low	9.04	9.06	9.25	9.33	9.15	-	-
				Mid	9.46	9.28	9.58	9.45	-	9.38	11.21
				High	9.57	9.51	9.59	9.74	9.67	-	-
		5610	122	Low	9.18	9.30	9.22	9.55	9.28	-	-
				Mid	9.23	9.26	9.53	9.40	-	9.32	10.80
				High	9.54	9.51	9.59	9.50	9.47	-	-
		5690	138	Low	8.95	9.16	9.06	9.00	9.14	-	-
				Mid	9.37	9.33	9.25	9.20	-	9.22	10.82
				High	9.55	9.52	9.38	9.24	9.29	-	-
UNII 3	5775	155	Low	9.10	7.90	9.14	8.99	8.96	-	-	
			Mid	8.68	8.71	8.72	8.86	-	8.75	10.64	
			High	8.75	8.96	8.86	8.61	8.67	-	-	

10.4.2 MIMO Ant. 1

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)				
					26 T	52 T	106 T	242 T	SU
Max Output Power (dBm)	UNII 1	5180	36	Low	8.87	9.24	9.26	-	-
				Mid	9.17	8.99	-	9.44	15.74
				High	9.29	9.24	9.22	-	-
		5200	40	Low	9.28	9.64	9.48	-	-
				Mid	9.38	9.42	-	9.85	16.24
				High	9.60	9.59	9.65	-	-
		5240	48	Low	9.28	9.47	9.61	-	-
				Mid	9.59	9.49	-	9.76	16.07
				High	9.58	9.68	9.62	-	-
	UNII 2a	5260	52	Low	8.97	9.38	9.31	-	-
				Mid	9.17	9.33	-	9.55	15.76
				High	9.24	9.36	9.35	-	-
		5280	56	Low	9.29	9.52	9.58	-	-
				Mid	9.46	9.49	-	9.71	16.44
				High	9.47	9.45	9.58	-	-
		5320	64	Low	9.69	9.63	9.73	-	-
				Mid	9.68	9.64	-	9.81	16.23
				High	9.76	9.71	9.68	-	-
	UNII 2c	5500	100	Low	9.72	9.69	9.94	-	-
				Mid	9.68	9.88	-	9.97	16.38
				High	9.78	9.89	9.95	-	-
		5600	120	Low	9.73	9.72	9.84	-	-
				Mid	9.70	9.74	-	9.89	16.44
				High	9.69	9.80	9.82	-	-
		5720	144	Low	9.59	9.75	9.76	-	-
				Mid	9.72	9.76	-	9.83	16.14
				High	9.60	9.68	9.63	-	-
UNII 3	5745	149	Low	9.77	9.78	9.84	-	-	
			Mid	9.45	9.76	-	9.92	16.49	
			High	9.45	9.75	9.73	-	-	
	5785	157	Low	9.96	9.99	9.99	-	-	
			Mid	9.99	9.96	-	9.94	16.81	
			High	9.95	9.94	9.97	-	-	

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)				
					26 T	52 T	106 T	242 T	SU
		5825	165	Low	9.79	9.78	9.83	-	-
				Mid	9.74	9.71	-	9.92	16.53
				High	9.74	9.82	9.87	-	-

HE40		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)					
					26 T	52 T	106 T	242 T	484 T	SU
Max Output Power (dBm)	UNII 1	5190	38	Low	8.69	8.56	8.56	8.72	-	-
				Mid	8.54	8.54	8.57	-	8.98	13.72
				High	8.59	8.75	8.81	8.82	-	-
		5230	46	Low	8.64	9.20	9.19	9.34	-	-
				Mid	8.95	9.13	9.00	-	9.48	13.73
				High	9.07	9.25	9.23	9.39	-	-
	UNII 2a	5270	54	Low	8.58	8.64	8.63	8.76	-	-
				Mid	8.68	8.48	8.59	-	8.96	13.65
				High	8.69	8.56	8.57	8.83	-	-
		5310	62	Low	9.03	9.13	9.13	9.33	-	-
				Mid	9.05	9.25	9.24	-	9.53	14.17
				High	9.17	9.21	9.31	9.57	-	-
	UNII 2c	5510	102	Low	8.76	8.97	8.91	9.09	-	-
				Mid	8.86	8.76	8.99	-	9.30	13.67
				High	9.00	9.03	9.06	9.07	-	-
		5590	118	Low	8.77	9.19	9.24	9.25	-	-
				Mid	9.04	8.95	9.19	-	9.45	13.69
				High	9.08	9.12	9.09	9.21	-	-
		5710	142	Low	8.80	9.10	9.23	9.26	-	-
				Mid	9.02	9.01	9.29	-	9.37	13.80
				High	8.96	9.05	9.13	9.17	-	-
	UNII 3	5755	151	Low	9.03	9.40	9.49	9.44	-	-
				Mid	9.09	9.05	9.33	-	9.43	13.87
				High	8.96	9.06	9.34	9.33	-	-
5795		159	Low	9.49	9.46	9.52	9.61	-	-	
			Mid	9.21	9.08	9.32	-	9.48	14.10	
			High	9.12	9.20	9.25	9.52	-	-	

HE80		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output Power (dBm)	UNII 1	5210	42	Low	8.92	9.08	9.01	9.44	9.63	-	-
				Mid	9.37	9.45	9.46	9.63	-	9.82	11.70
				High	9.52	9.63	9.49	9.67	9.81	-	-
	UNII 2A	5290	58	Low	9.52	9.52	9.73	9.34	9.56	-	-
				Mid	9.10	9.48	9.03	9.41	-	9.70	11.95
				High	9.03	9.43	9.45	9.36	9.81	-	-
	UNII 2C	5530	106	Low	8.90	9.03	8.87	9.03	9.18	-	-
				Mid	9.17	8.95	9.19	9.12	-	9.37	11.73
				High	9.32	9.29	9.35	9.50	9.37	-	-
		5610	122	Low	8.94	9.32	9.32	9.36	9.64	-	-
				Mid	9.16	9.42	9.29	9.40	-	9.66	11.77
				High	9.58	9.60	9.47	9.50	9.40	-	-
		5690	138	Low	9.82	9.89	9.85	9.87	9.92	-	-
				Mid	9.73	9.82	9.83	9.88	-	9.90	12.00
				High	9.72	9.81	9.89	9.77	9.90	-	-
	UNII 3	5775	155	Low	9.99	9.97	9.89	9.96	9.94	-	-
				Mid	9.90	9.85	9.85	9.88	-	9.92	11.97
				High	9.91	9.88	9.86	9.93	9.92	-	-

10.4.3 MIMO Ant 2

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)				
					26 T	52 T	106 T	242 T	SU
Max Output Power (dBm)	UNII 1	5180	36	Low	9.47	9.32	9.42	-	-
				Mid	9.19	9.26	-	9.49	15.72
				High	9.16	9.21	9.25	-	-
		5200	40	Low	9.33	9.47	9.52	-	-
				Mid	9.38	9.41	-	9.79	16.01
				High	9.37	9.55	9.50	-	-
		5240	48	Low	9.85	9.89	9.80	-	-
				Mid	9.86	9.90	-	9.83	16.31
				High	9.90	9.82	9.83	-	-
	UNII 2A	5260	52	Low	9.86	9.88	9.83	-	-
				Mid	9.90	9.89	-	9.96	15.72
				High	9.89	9.86	9.81	-	-
		5280	56	Low	9.49	9.57	9.71	-	-
				Mid	9.56	9.65	-	9.73	15.52
				High	9.63	9.68	9.68	-	-
		5320	64	Low	9.27	9.20	9.21	-	-
				Mid	9.26	9.25	-	9.41	15.26
				High	9.29	9.27	9.42	-	-
	UNII 2C	5500	100	Low	9.32	9.45	9.44	-	-
				Mid	9.45	9.49	-	9.38	15.52
				High	9.16	9.42	9.15	-	-
		5600	120	Low	9.32	9.20	9.24	-	-
				Mid	9.23	9.18	-	9.56	15.48
				High	9.28	9.22	9.21	-	-
		5720	144	Low	9.65	9.80	9.85	-	-
				Mid	9.64	9.79	-	9.99	15.86
				High	9.77	9.73	9.89	-	-
UNII 3	5745	149	Low	9.51	9.64	9.74	-	-	
			Mid	9.46	9.69	-	9.80	15.83	
			High	9.45	9.61	9.58	-	-	
	5785	157	Low	9.36	9.62	9.71	-	-	
			Mid	9.24	9.63	-	9.79	15.88	
			High	9.14	9.59	9.29	-	-	

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)				
					26 T	52 T	106 T	242 T	SU
		5825	165	Low	9.82	9.86	9.85	-	-
				Mid	9.76	9.89	-	9.93	16.14
				High	9.81	9.80	9.81	-	-

HE40		Frequency [MHz]	Channel No.	RUIndex	Max. Average Power (dBm)					
					26 T	52 T	106 T	242 T	484 T	SU
Max Output Power (dBm)	UNII 1	5190	38	Low	9.16	8.96	9.18	9.15	-	-
				Mid	9.18	8.90	8.95	-	9.37	13.67
				High	9.36	8.87	8.92	9.04	-	-
		5230	46	Low	9.49	9.15	9.30	9.43	-	-
				Mid	9.37	9.18	9.20	-	9.58	14.24
				High	9.38	9.30	9.22	9.54	-	-
	UNII 2A	5270	54	Low	9.37	9.64	9.73	9.72	-	-
				Mid	9.18	9.57	9.66	-	9.70	14.11
				High	9.59	9.70	9.76	9.76	-	-
		5310	62	Low	8.76	9.08	8.98	9.14	-	-
				Mid	8.61	8.89	8.89	-	9.29	13.56
				High	8.72	8.92	9.03	9.13	-	-
	UNII 2C	5510	102	Low	9.03	8.95	8.98	9.02	-	-
				Mid	8.96	8.87	9.02	-	9.31	14.03
				High	9.00	8.95	8.96	9.03	-	-
		5590	118	Low	8.94	9.09	9.35	9.34	-	-
				Mid	9.13	9.25	9.21	-	9.58	14.05
				High	9.32	9.17	9.22	9.34	-	-
		5710	142	Low	9.37	9.35	9.37	9.47	-	-
				Mid	9.21	9.32	9.27	-	9.54	14.14
				High	9.32	9.36	9.28	9.51	-	-
	UNII 3	5755	151	Low	9.08	9.21	9.27	9.33	-	-
				Mid	8.75	8.98	9.09	-	9.29	13.61
				High	8.92	8.99	9.10	9.06	-	-
5795		159	Low	9.37	9.34	9.59	9.64	-	-	
			Mid	9.03	9.27	9.42	-	9.34	14.07	
			High	9.18	9.24	9.29	9.34	-	-	

HE80		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output Power (dBm)	UNII 1	5210	42	Low	9.34	9.38	9.48	9.50	9.63	-	-
				Mid	9.16	9.31	9.34	9.52	-	9.79	11.20
				High	9.52	9.52	9.49	9.55	9.64	-	-
	UNII 2A	5290	58	Low	9.21	9.25	9.17	9.36	9.58	-	-
				Mid	9.26	9.23	9.34	9.47	-	9.88	11.82
				High	9.52	9.40	9.39	9.68	9.60	-	-
	UNII 2C	5530	106	Low	9.13	9.10	9.06	9.23	9.38	-	-
				Mid	9.07	9.35	9.29	9.37	-	9.66	11.83
				High	9.56	9.85	9.57	9.58	9.73	-	-
		5610	122	Low	9.07	8.81	8.99	9.10	9.37	-	-
				Mid	9.30	9.19	9.06	9.22	-	9.56	11.85
				High	9.70	9.55	9.49	9.58	9.59	-	-
		5690	138	Low	8.74	9.17	9.13	9.15	9.45	-	-
				Mid	9.44	9.10	9.53	9.28	-	9.68	11.57
				High	9.21	9.39	9.58	9.13	9.54	-	-
	UNII 3	5775	155	Low	9.04	9.16	9.30	9.26	9.35	-	-
				Mid	8.71	8.82	9.04	9.20	-	9.14	11.27
				High	8.74	9.04	8.91	8.95	9.14	-	-

10.4.4 MIMO (MIMO Ant. 1 + MIMO Ant. 2)

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)				
					26 T	52 T	106 T	242 T	SU
Max Output Power (dBm)	UNII 1	5180	36	Low	12.19	12.29	12.35	-	-
				Mid	12.19	12.13	-	12.48	18.74
				High	12.23	12.23	12.24	-	-
		5200	40	Low	12.31	12.56	12.51	-	-
				Mid	12.39	12.42	-	12.83	19.14
				High	12.49	12.58	12.58	-	-
		5240	48	Low	12.58	12.69	12.71	-	-
				Mid	12.74	12.71	-	12.81	19.21
				High	12.75	12.76	12.73	-	-
	UNII 2A	5260	52	Low	12.45	12.64	12.59	-	-
				Mid	12.56	12.63	-	12.77	18.75
				High	12.59	12.62	12.59	-	-
		5280	56	Low	12.40	12.55	12.65	-	-
				Mid	12.52	12.58	-	12.73	19.02
				High	12.56	12.57	12.64	-	-
		5320	64	Low	12.49	12.43	12.49	-	-
				Mid	12.48	12.46	-	12.63	18.79
				High	12.54	12.50	12.56	-	-
	UNII 2C	5500	100	Low	12.53	12.58	12.71	-	-
				Mid	12.57	12.70	-	12.70	18.99
				High	12.49	12.67	12.58	-	-
		5600	120	Low	12.54	12.47	12.56	-	-
				Mid	12.48	12.48	-	12.74	19.00
				High	12.50	12.53	12.53	-	-
		5720	144	Low	12.63	12.78	12.81	-	-
				Mid	12.69	12.78	-	12.92	19.02
				High	12.69	12.71	12.77	-	-
UNII 3	5745	149	Low	12.65	12.72	12.80	-	-	
			Mid	12.46	12.73	-	12.87	19.19	
			High	12.46	12.69	12.66	-	-	
	5785	157	Low	12.68	12.82	12.86	-	-	
			Mid	12.64	12.81	-	12.88	19.38	
			High	12.57	12.78	12.65	-	-	

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)				
					26 T	52 T	106 T	242 T	SU
		5825	165	Low	12.81	12.83	12.85	-	-
				Mid	12.76	12.81	-	12.94	19.35
				High	12.78	12.82	12.85	-	-

HE40		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)					
					26 T	52 T	106 T	242 T	484 T	SU
Max Output Power (dBm)	UNII 1	5190	38	Low	11.94	11.77	11.89	11.95	-	-
				Mid	11.88	11.73	11.77	-	12.19	16.70
				High	12.00	11.82	11.87	11.94	-	-
		5230	46	Low	12.09	12.18	12.25	12.40	-	-
				Mid	12.17	12.16	12.11	-	12.54	17.00
				High	12.24	12.28	12.23	12.48	-	-
	UNII 2A	5270	54	Low	12.00	12.18	12.22	12.28	-	-
				Mid	11.95	12.07	12.17	-	12.36	16.89
				High	12.17	12.18	12.21	12.33	-	-
		5310	62	Low	11.91	12.11	12.06	12.25	-	-
				Mid	11.84	12.08	12.08	-	12.42	16.88
				High	11.96	12.08	12.18	12.37	-	-
	UNII 2C	5510	102	Low	11.91	11.97	11.95	12.07	-	-
				Mid	11.92	11.82	12.01	-	12.32	16.86
				High	12.01	12.00	12.02	12.06	-	-
		5590	118	Low	11.86	12.15	12.30	12.31	-	-
				Mid	12.09	12.11	12.21	-	12.53	16.88
				High	12.21	12.15	12.16	12.29	-	-
		5710	142	Low	12.10	12.24	12.31	12.38	-	-
				Mid	12.12	12.18	12.29	-	12.47	16.98
				High	12.15	12.22	12.21	12.35	-	-
	UNII 3	5755	151	Low	12.06	12.32	12.39	12.40	-	-
				Mid	11.93	12.02	12.22	-	12.37	16.75
				High	11.95	12.03	12.23	12.21	-	-
5795		159	Low	12.44	12.41	12.56	12.64	-	-	
			Mid	12.13	12.19	12.38	-	12.42	17.09	
			High	12.16	12.23	12.28	12.44	-	-	

HE80		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output Power (dBm)	UNII 1	5210	42	Low	12.14	12.24	12.26	12.48	12.64	-	-
				Mid	12.27	12.39	12.41	12.58	-	12.82	14.46
				High	12.53	12.58	12.50	12.62	12.74	-	-
	UNII 2A	5290	58	Low	12.38	12.39	12.47	12.36	12.58	-	-
				Mid	12.19	12.36	12.20	12.45	-	12.81	14.89
				High	12.29	12.42	12.43	12.53	12.72	-	-
	UNII 2C	5530	106	Low	12.02	12.07	11.97	12.14	12.29	-	-
				Mid	12.13	12.16	12.25	12.25	-	12.53	14.79
				High	12.45	12.59	12.47	12.55	12.57	-	-
		5610	122	Low	12.01	12.08	12.17	12.24	12.52	-	-
				Mid	12.24	12.31	12.18	12.32	-	12.62	14.82
				High	12.65	12.58	12.49	12.55	12.51	-	-
		5690	138	Low	12.32	12.55	12.51	12.53	12.70	-	-
				Mid	12.60	12.48	12.69	12.60	-	12.81	14.80
				High	12.48	12.61	12.75	12.47	12.74	-	-
	UNII 3	5775	155	Low	12.55	12.59	12.61	12.63	12.67	-	-
				Mid	12.35	12.37	12.47	12.56	-	12.56	14.64
				High	12.37	12.49	12.42	12.47	12.56	-	-

10.5 POWER SPECTRAL DENSITY

Note :

1. The Power Spectral Density Limit was as follows.

UNII 1, 2A, 2C : 11.0 dBm/MHz

UNII 3 : 30.0 dBm/500 kHz

10.5.1 SISO(Ant. 2)

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)				
					26 T	52 T	106 T	242 T	SU
Max Output PSD (dBm)	UNII 1	5180	36	Low	6.375	3.231	0.171	-	-
				Mid	5.116	3.158	-	-3.624	3.896
				High	5.997	2.983	-0.001	-	-
		5200	40	Low	6.568	3.540	0.611	-	-
				Mid	5.164	3.323	-	-3.390	4.682
				High	6.362	3.410	0.522	-	-
		5240	48	Low	7.076	3.971	1.160	-	-
				Mid	5.941	3.847	-	-2.757	5.206
				High	6.997	3.680	1.120	-	-
	UNII 2A	5260	52	Low	6.996	3.947	1.356	-	-
				Mid	5.251	3.907	-	-2.547	4.952
				High	6.990	3.737	1.150	-	-
		5280	56	Low	6.506	3.536	0.420	-	-
				Mid	5.339	3.519	-	-3.341	4.222
				High	6.465	3.494	0.281	-	-
		5320	64	Low	6.746	3.686	0.659	-	-
				Mid	5.522	3.616	-	-3.174	4.265
				High	6.857	3.779	0.572	-	-
	UNII 2C	5500	100	Low	6.851	3.714	0.430	-	-
				Mid	5.664	3.534	-	-3.401	4.810
				High	6.620	3.471	0.290	-	-
		5600	120	Low	6.561	3.525	0.448	-	-
				Mid	5.291	3.568	-	-3.389	4.444
				High	6.553	3.541	0.443	-	-
5720		144	Low	6.995	3.594	0.549	-	-	
			Mid	5.752	3.568	-	-3.255	4.929	
			High	6.898	3.667	0.600	-	-	

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)				
					26 T	52 T	106 T	242 T	SU
	UNII 3	5745	149	Low	3.862	0.847	-2.427	-	-
				Mid	3.632	0.702	-	-6.180	1.815
				High	3.669	0.656	-2.408	-	-
		5785	157	Low	4.109	0.968	-2.187	-	-
				Mid	3.799	0.914	-	-5.932	1.678
				High	3.977	0.897	-2.100	-	-
		5825	165	Low	4.054	1.423	-1.654	-	-
				Mid	4.035	1.396	-	-6.325	2.332
				High	4.118	1.494	-1.592	-	-

HE40		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)					
					26 T	52 T	106 T	242 T	484 T	SU
Max Output PSD (dBm)	UNII 1	5190	38	Low	6.747	3.838	1.132	-2.710	-	-
				Mid	6.358	3.666	0.817	-	-5.242	-0.834
				High	6.331	3.582	0.591	-3.005	-	-
		5230	46	Low	7.142	4.293	1.262	-2.263	-	-
				Mid	7.090	4.201	1.304	-	-5.173	-0.563
				High	7.075	4.231	1.182	-2.238	-	-
	UNII 2A	5270	54	Low	7.260	4.470	1.382	-2.038	-	-
				Mid	7.123	4.210	1.307	-	-4.952	-0.603
				High	7.037	4.244	1.204	-2.234	-	-
		5310	62	Low	6.705	3.808	0.837	-2.613	-	-
				Mid	6.551	3.670	0.746	-	-5.569	-1.008
				High	6.622	3.843	0.743	-2.678	-	-
	UNII 2C	5510	102	Low	6.800	3.883	0.853	-2.658	-	-
				Mid	6.654	3.692	0.748	-	-5.491	-1.033
				High	6.784	4.009	0.839	-2.663	-	-
		5590	118	Low	6.519	3.812	0.796	-2.616	-	-
				Mid	6.587	3.836	0.630	-	-5.458	-0.829
				High	6.797	3.909	0.742	-2.668	-	-
		5710	142	Low	7.027	3.983	1.025	-2.289	-	-
				Mid	6.869	3.890	1.023	-	-5.411	-0.653
				High	6.840	3.886	1.115	-2.547	-	-
	UNII 3	5755	151	Low	3.940	0.890	-2.155	-5.589	-	-
				Mid	3.545	0.552	-2.422	-	-8.656	-3.817
				High	3.575	0.654	-2.349	-5.797	-	-
5795		159	Low	4.221	1.309	-1.820	-5.332	-	-	
			Mid	3.981	0.934	-1.957	-	-8.272	-3.422	
			High	3.992	1.089	-1.865	-5.387	-	-	

HE80		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output PSD (dBm)	UNII 1	5210	42	Low	6.821	3.997	0.848	-2.867	-5.331	-	-
				Mid	5.352	3.611	0.540	-3.060	-	-8.321	-5.997
				High	6.794	3.849	0.788	-2.887	-5.498	-	-
	UNII 2A	5290	58	Low	6.316	3.404	0.282	-3.227	-5.873	-	-
				Mid	4.743	3.058	-0.108	-3.456	-	-8.818	-6.430
				High	6.340	3.615	0.313	-3.046	-5.972	-	-
	UNII 2C	5530	106	Low	5.968	3.330	-0.035	-3.374	-6.253	-	-
				Mid	4.790	3.279	0.063	-3.281	-	-8.533	-6.127
				High	6.814	4.038	0.655	-2.700	-5.538	-	-
		5610	122	Low	5.988	3.268	-0.085	-3.394	-5.948	-	-
				Mid	4.954	3.367	0.275	-3.315	-	-8.537	-6.132
				High	6.802	4.009	0.573	-2.688	-5.470	-	-
	5690	138	Low	6.019	3.436	-0.004	-3.363	-5.835	-	-	
			Mid	5.061	3.411	0.003	-3.205	-	-8.997	-6.368	
			High	6.379	3.546	0.262	-3.102	-5.772	-	-	
UNII 3	5775	155	Low	3.903	0.854	-2.957	-5.697	-8.641	-	-	
			Mid	3.110	0.128	-3.646	-6.017	-	-11.708	-9.791	
			High	3.317	0.502	-3.500	-6.364	-9.198	-	-	

10.5.2 MIMO Ant. 1

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)				
					26 T	52 T	106 T	242 T	SU
Max Output PSD (dBm)	UNII 1	5180	36	Low	5.730	3.228	-0.232	-	-
				Mid	4.671	3.037	-	-3.303	2.671
				High	6.040	3.040	-0.130	-	-
		5200	40	Low	6.989	3.849	0.534	-	-
				Mid	5.812	3.644	-	-2.573	3.111
				High	7.011	3.754	0.700	-	-
		5240	48	Low	7.063	4.380	1.273	-	-
				Mid	5.876	4.282	-	-1.910	2.835
				High	7.167	4.361	1.347	-	-
	UNII 2A	5260	52	Low	6.862	3.953	0.975	-	-
				Mid	5.766	3.834	-	-2.224	4.144
				High	6.837	3.847	0.868	-	-
		5280	56	Low	6.633	4.597	1.527	-	-
				Mid	5.346	4.496	-	-1.539	4.766
				High	6.346	4.554	1.526	-	-
	5320	64	Low	7.093	4.436	1.064	-	-	
			Mid	5.953	4.216	-	-1.900	4.405	
			High	7.215	4.344	1.107	-	-	
	UNII 2C	5500	100	Low	7.247	4.533	1.449	-	-
				Mid	6.130	4.430	-	-1.741	4.838
				High	7.168	4.380	1.377	-	-
		5600	120	Low	7.147	4.281	1.371	-	-
				Mid	6.058	4.376	-	-1.934	4.681
				High	7.205	4.417	1.202	-	-
		5720	144	Low	7.055	4.407	1.088	-	-
				Mid	5.627	4.231	-	-1.925	4.544
				High	6.846	4.212	1.042	-	-
UNII 3	5745	149	Low	4.580	1.309	-1.609	-	-	
			Mid	4.261	1.179	-	-4.947	1.719	
			High	4.431	1.096	-1.771	-	-	
	5785	157	Low	4.721	2.356	-0.898	-	-	
			Mid	4.271	1.997	-	-4.102	2.253	
			High	4.455	1.911	-1.060	-	-	

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)				
					26 T	52 T	106 T	242 T	SU
		5825	165	Low	4.504	1.616	-1.408	-	-
				Mid	4.323	1.710	-	-4.791	1.760
				High	4.554	1.621	-1.518	-	-

HE40		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)					
					26 T	52 T	106 T	242 T	484 T	SU
Max Output PSD (dBm)	UNII 1	5190	38	Low	5.681	2.740	-0.337	-3.575	-	-
				Mid	5.602	2.750	-0.255	-	-7.119	-1.421
				High	5.689	2.952	-0.060	-3.376	-	-
		5230	46	Low	5.993	3.345	0.204	-3.109	-	-
				Mid	6.057	3.259	0.192	-	-7.014	-0.907
				High	6.200	3.407	0.467	-3.224	-	-
	UNII 2A	5270	54	Low	5.920	3.121	0.446	-2.867	-	-
				Mid	5.681	2.983	0.226	-	-5.917	-1.142
				High	5.820	2.934	0.243	-3.073	-	-
		5310	62	Low	6.405	3.575	0.617	-2.653	-	-
				Mid	6.211	3.529	0.571	-	-5.490	-0.578
				High	6.395	3.453	0.487	-2.511	-	-
	UNII 2C	5510	102	Low	6.582	3.503	0.523	-2.817	-	-
				Mid	6.582	3.291	0.295	-	-5.657	-0.917
				High	6.639	3.287	0.400	-2.911	-	-
		5590	118	Low	6.337	3.406	0.548	-2.761	-	-
				Mid	6.229	3.551	0.523	-	-5.646	-1.131
				High	6.294	3.539	0.509	-2.839	-	-
		5710	142	Low	6.669	3.573	0.998	-2.587	-	-
				Mid	6.622	3.320	1.045	-	-5.389	-0.761
				High	6.498	3.425	0.904	-2.883	-	-
	UNII 3	5755	151	Low	3.880	1.320	-1.943	-5.332	-	-
				Mid	3.557	0.938	-2.258	-	-8.217	-3.234
				High	3.647	0.884	-2.293	-5.702	-	-
5795		159	Low	4.128	1.177	-1.762	-5.043	-	-	
			Mid	3.803	0.831	-1.885	-	-8.073	-3.432	
			High	4.019	0.991	-2.036	-5.287	-	-	

HE80		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output PSD (dBm)	UNII 1	5210	42	Low	6.461	3.293	0.300	-2.890	-5.579	-	-
				Mid	5.566	3.574	0.707	-2.976	-	-7.920	-5.946
				High	6.921	3.840	0.739	-2.509	-5.349	-	-
	UNII 2A	5290	58	Low	6.597	3.990	0.938	-2.413	-5.093	-	-
				Mid	5.342	3.808	0.880	-2.544	-	-7.852	-5.603
				High	6.927	3.995	1.130	-2.419	-5.008	-	-
	UNII 2C	5530	106	Low	6.440	3.702	0.593	-2.616	-5.370	-	-
				Mid	5.498	3.519	0.645	-2.782	-	-8.193	-6.239
				High	6.715	3.852	0.755	-2.521	-5.462	-	-
		5610	122	Low	6.378	3.850	0.953	-2.392	-5.141	-	-
				Mid	5.424	3.896	1.141	-2.385	-	-7.986	-5.639
				High	6.718	4.078	1.206	-2.273	-4.979	-	-
		5690	138	Low	7.267	3.727	0.906	-2.072	-5.085	-	-
				Mid	6.191	3.789	0.823	-2.407	-	-7.701	-5.325
				High	7.290	3.729	0.641	-2.671	-5.230	-	-
	UNII 3	5775	155	Low	4.928	1.791	-1.137	-4.559	-7.313	-	-
				Mid	4.335	1.199	-1.754	-4.726	-	-9.886	-8.238
				High	4.569	1.214	-1.768	-5.229	-7.649	-	-

10.5.3 MIMO Ant. 2

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)				
					26 T	52 T	106 T	242 T	SU
Max Output PSD (dBm)	UNII 1	5180	36	Low	6.047	3.872	-0.415	-	-
				Mid	4.571	3.678	-	-3.709	3.694
				High	5.538	3.654	-0.647	-	-
		5200	40	Low	6.855	3.818	0.841	-	-
				Mid	5.560	3.684	-	-2.547	3.686
				High	6.718	3.659	0.692	-	-
		5240	48	Low	6.992	4.431	0.526	-	-
				Mid	5.834	4.452	-	-2.272	4.726
				High	7.055	4.397	0.493	-	-
	UNII 2A	5260	52	Low	6.925	4.383	0.367	-	-
				Mid	5.696	4.466	-	-2.511	4.213
				High	6.846	4.393	0.831	-	-
		5280	56	Low	6.814	3.999	1.017	-	-
				Mid	5.658	3.907	-	-3.140	3.763
				High	6.754	3.871	0.899	-	-
		5320	64	Low	6.906	4.025	1.055	-	-
				Mid	5.710	3.955	-	-2.983	3.857
				High	6.882	3.907	0.950	-	-
	UNII 2C	5500	100	Low	6.984	4.108	1.119	-	-
				Mid	5.899	4.011	-	-2.695	4.326
				High	7.025	4.124	1.110	-	-
		5600	120	Low	7.036	4.182	1.068	-	-
				Mid	5.930	4.291	-	-2.929	4.128
				High	7.047	4.278	1.209	-	-
		5720	144	Low	6.778	4.686	0.766	-	-
				Mid	5.465	4.628	-	-2.517	4.646
				High	6.542	4.663	0.777	-	-
UNII 3	5745	149	Low	4.414	1.442	-2.250	-	-	
			Mid	4.215	1.371	-	-5.774	1.953	
			High	4.252	1.326	-2.224	-	-	
	5785	157	Low	4.265	1.290	-2.259	-	-	
			Mid	3.924	1.073	-	-5.568	1.427	
			High	3.983	1.025	-2.256	-	-	

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)				
					26 T	52 T	106 T	242 T	SU
		5825	165	Low	4.128	1.103	-1.955	-	-
				Mid	3.880	1.044	-	-4.920	1.988
				High	4.265	1.111	-2.172	-	-

HE40		Frequency [MHz]	Channel No.	RUIndex	Max. Power Spectral Density (dBm)					
					26 T	52 T	106 T	242 T	484 T	SU
Max Output PSD (dBm)	UNII 1	5190	38	Low	5.941	3.081	-0.001	-3.199	-	-
				Mid	5.702	2.811	-0.109	-	-5.998	-1.075
				High	5.716	2.706	-0.167	-3.480	-	-
		5230	46	Low	6.664	3.784	0.908	-2.462	-	-
				Mid	6.532	3.803	0.837	-	-5.229	-0.418
				High	6.603	3.779	0.904	-2.364	-	-
	UNII 2A	5270	54	Low	6.685	3.799	0.997	-2.380	-	-
				Mid	6.608	3.834	0.923	-	-5.013	-0.545
				High	6.860	3.994	1.102	-2.369	-	-
		5310	62	Low	6.514	3.738	0.425	-2.923	-	-
				Mid	6.295	3.484	0.280	-	-5.663	-0.887
				High	6.383	3.506	0.334	-2.812	-	-
	UNII 2C	5510	102	Low	6.643	3.772	0.810	-2.711	-	-
				Mid	6.632	3.808	0.725	-	-5.357	-0.642
				High	6.744	3.801	0.785	-2.826	-	-
		5590	118	Low	5.986	3.583	0.225	-3.064	-	-
				Mid	6.060	3.712	0.110	-	-5.812	-1.213
				High	6.148	3.768	0.324	-2.956	-	-
		5710	142	Low	6.768	3.766	0.836	-2.421	-	-
				Mid	6.527	3.764	0.922	-	-5.214	-0.902
				High	6.547	3.869	0.943	-2.459	-	-
	UNII 3	5755	151	Low	3.723	0.891	-2.082	-5.374	-	-
				Mid	3.521	0.603	-2.257	-	-8.116	-3.790
				High	3.451	0.608	-2.374	-5.581	-	-
5795		159	Low	3.948	1.216	-2.013	-5.277	-	-	
			Mid	3.800	0.942	-2.128	-	-8.095	-3.533	
			High	3.894	0.988	-2.214	-5.383	-	-	

HE80		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output PSD (dBm)	UNII 1	5210	42	Low	6.170	3.285	0.475	-2.786	-5.573	-	-
				Mid	4.954	3.412	0.288	-2.939	-	-9.467	-6.108
				High	6.275	3.562	0.542	-2.808	-5.565	-	-
	UNII 2A	5290	58	Low	6.392	3.479	0.608	-2.839	-5.356	-	-
				Mid	5.447	3.544	0.661	-2.755	-	-8.329	-6.188
				High	6.625	3.756	0.767	-2.628	-5.379	-	-
	UNII 2C	5530	106	Low	6.362	3.633	0.470	-2.943	-5.639	-	-
				Mid	5.585	3.618	0.881	-2.923	-	-8.057	-6.065
				High	7.102	4.166	1.114	-2.535	-5.376	-	-
		5610	122	Low	6.182	3.339	0.387	-3.158	-5.809	-	-
				Mid	5.382	3.639	0.863	-3.005	-	-8.174	-6.153
				High	6.981	4.006	1.157	-2.452	-5.367	-	-
		5690	138	Low	5.989	3.228	0.384	-3.110	-5.936	-	-
				Mid	5.222	3.603	0.434	-3.018	-	-8.591	-6.390
				High	6.561	3.708	0.647	-2.754	-5.785	-	-
	UNII 3	5775	155	Low	3.642	0.692	-2.306	-5.560	-8.553	-	-
				Mid	3.287	0.371	-2.572	-5.839	-	-11.291	-9.004
				High	3.673	0.635	-2.409	-5.598	-8.525	-	-

10.5.4 MIMO (MIMO Ant. 1 + MIMO Ant. 2)

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)				
					26 T	52 T	106 T	242 T	SU
Max Output PSD (dBm)	UNII 1	5180	36	Low	8.901	6.572	2.688	-	-
				Mid	7.631	6.379	-	-0.491	6.223
				High	8.806	6.368	2.629	-	-
		5200	40	Low	9.933	6.844	3.700	-	-
				Mid	8.698	6.674	-	0.451	6.418
				High	9.877	6.717	3.706	-	-
		5240	48	Low	10.038	7.416	3.926	-	-
				Mid	8.865	7.378	-	0.923	6.893
				High	10.121	7.389	3.951	-	-
	UNII 2A	5260	52	Low	9.904	7.183	3.692	-	-
				Mid	8.741	7.172	-	0.646	7.189
				High	9.851	7.139	3.860	-	-
		5280	56	Low	9.734	7.318	4.290	-	-
				Mid	8.515	7.222	-	0.745	7.304
				High	9.565	7.236	4.234	-	-
	5320	64	Low	10.010	7.245	4.070	-	-	
			Mid	8.843	7.098	-	0.603	7.150	
			High	10.062	7.141	4.039	-	-	
	UNII 2C	5500	100	Low	10.127	7.336	4.297	-	-
				Mid	9.026	7.236	-	0.819	7.600
				High	10.107	7.264	4.256	-	-
		5600	120	Low	10.102	7.242	4.232	-	-
				Mid	9.004	7.344	-	0.608	7.424
				High	10.137	7.358	4.216	-	-
		5720	144	Low	9.929	7.559	3.940	-	-
				Mid	8.557	7.444	-	0.800	7.606
				High	9.707	7.453	3.922	-	-
UNII 3	5745	149	Low	7.508	4.386	1.092	-	-	
			Mid	7.248	4.286	-	-2.330	4.848	
			High	7.352	4.223	1.019	-	-	
	5785	157	Low	7.509	4.866	1.485	-	-	
			Mid	7.111	4.570	-	-1.763	4.870	
			High	7.235	4.501	1.393	-	-	

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)				
					26 T	52 T	106 T	242 T	SU
		5825	165	Low	7.330	4.377	1.337	-	-
				Mid	7.117	4.400	-	-1.844	4.886
				High	7.422	4.384	1.177	-	-

HE40		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)					
					26 T	52 T	106 T	242 T	484 T	SU
Max Output PSD (dBm)	UNII 1	5190	38	Low	8.823	5.924	2.844	-0.372	-	-
				Mid	8.662	5.791	2.829	-	-3.512	1.765
				High	8.713	5.841	2.897	-0.417	-	-
		5230	46	Low	9.351	6.580	3.580	0.237	-	-
				Mid	9.311	6.550	3.537	-	-3.020	2.354
				High	9.416	6.607	3.701	0.238	-	-
	UNII 2A	5270	54	Low	9.329	6.484	3.740	0.394	-	-
				Mid	9.179	6.440	3.599	-	-2.431	2.177
				High	9.381	6.507	3.704	0.304	-	-
		5310	62	Low	9.470	6.668	3.532	0.225	-	-
				Mid	9.263	6.517	3.438	-	-2.566	2.280
				High	9.399	6.490	3.421	0.352	-	-
	UNII 2C	5510	102	Low	9.623	6.650	3.679	0.247	-	-
				Mid	9.617	6.568	3.526	-	-2.494	2.233
				High	9.702	6.562	3.607	0.142	-	-
		5590	118	Low	9.175	6.506	3.400	0.101	-	-
				Mid	9.155	6.643	3.332	-	-2.718	1.838
				High	9.232	6.665	3.428	0.114	-	-
		5710	142	Low	9.729	6.681	3.928	0.508	-	-
				Mid	9.585	6.558	3.994	-	-2.290	2.179
				High	9.533	6.663	3.934	0.345	-	-
	UNII 3	5755	151	Low	6.812	4.121	0.998	-2.342	-	-
				Mid	6.549	3.784	0.753	-	-5.156	-0.493
				High	6.560	3.759	0.677	-2.630	-	-
5795		159	Low	7.049	4.207	1.124	-2.148	-	-	
			Mid	6.811	3.897	1.005	-	-5.074	-0.472	
			High	6.967	4.000	0.886	-2.324	-	-	

HE80		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output PSD (dBm)	UNII 1	5210	42	Low	9.328	6.299	3.399	0.172	-2.565	-	-
				Mid	8.281	6.504	3.513	0.053	-	-5.615	-3.016
				High	9.620	6.713	3.652	0.354	-2.445	-	-
	UNII 2A	5290	58	Low	9.506	6.752	3.786	0.389	-2.212	-	-
				Mid	8.405	6.688	3.782	0.362	-	-5.074	-2.875
				High	9.789	6.887	3.962	0.488	-2.179	-	-
	UNII 2C	5530	106	Low	9.411	6.678	3.542	0.234	-2.492	-	-
				Mid	8.552	6.579	3.775	0.158	-	-5.114	-3.141
				High	9.923	7.022	3.948	0.482	-2.408	-	-
		5610	122	Low	9.291	6.612	3.689	0.252	-2.451	-	-
				Mid	8.413	6.780	4.014	0.326	-	-5.069	-2.878
				High	9.861	7.052	4.192	0.648	-2.158	-	-
		5690	138	Low	9.685	6.495	3.663	0.450	-2.479	-	-
				Mid	8.743	6.707	3.643	0.308	-	-5.113	-2.815
				High	9.951	6.729	3.654	0.298	-2.488	-	-
	UNII 3	5775	155	Low	7.342	4.286	1.328	-2.021	-4.878	-	-
				Mid	6.853	3.815	0.866	-2.237	-	-7.522	-5.594
				High	7.154	3.944	0.934	-2.400	-5.054	-	-

10.6 STRADDLE CHANNEL

10.6.1 26 dB Bandwidth

Test Note:

1. [UNII 2C] 26 dB Bandwidth = 5725 MHz - Measured Frequency[MHz]
2. [UNII 3] 26 dB Bandwidth = Measured Frequency[MHz] -5725 MHz
3. # : 26 dB bandwidth is only located in UNII 2C. Therefore 26 dB bandwidth do not overlap.

10.6.1.1 SISO(Ant. 2)

802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	26 dB BW (MHz)	
					UNII 2C	UNII 3
HE20	5720	144	26 T	0	17.52	4.36
				4	14.16	4.32
				7	14.04	5.64
				8	14.12	7.72
			52 T	37	17.64	4.48
				38	14.36	4.44
				39	14.28	4.64
				40	14.36	7.88
			106 T	53	18.08	5.08
				54	14.80	8.60
			242 T	61	19.36	9.40
			SU	-	23.68	13.00

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	26 dB BW (MHz)	
					UNII 2C	UNII 3
HE40	5710	142	26 T	# 0	-	-
				9	18.28	4.20
				16	14.36	5.80
				17	14.36	7.96
			52 T	# 37	-	-
				41	18.92	4.52
				43	15.00	4.52
				44	14.92	7.80
			106 T	# 53	-	-
				# 54	-	-
				55	18.84	4.92
				56	16.20	8.20
			242 T	# 61	-	-
				62	19.24	8.76
			484 T	65	38.04	8.20
			SU	-	38.12	7.96

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	26 dB BW (MHz)	
					UNII 2C	UNII 3
HE80	5690	138	26 T	# 0	-	-
				# 18	-	-
				35	14.84	7.24
				36	15.00	9.96
			52 T	# 37	-	-
				# 45	-	-
				51	15.00	5.16
				52	15.16	9.16
			106 T	# 53	-	-
				# 57	-	-
				59	19.96	5.80
				60	15.64	8.68
			242 T	# 61	-	-
				# 62	-	-
				63	38.20	6.60
				64	20.12	9.16
			484 T	# 65	-	-
				66	39.00	9.00
			996 T	67	78.84	9.64
			SU	-	79.00	9.64

10.6.1.2 MIMO Ant. 1
802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	26 dB BW (MHz)	
					UNII 2C	UNII 3
HE20	5720	144	26 T	0	18.04	4.36
				4	14.48	4.44
				7	14.32	5.52
				8	14.36	7.64
			52 T	37	17.96	4.68
				38	14.32	4.68
				39	14.40	4.60
				40	14.40	8.12
			106 T	53	18.24	5.04
				54	15.16	8.48
			242 T	61	21.60	11.64
			SU	-	21.76	10.92

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	26 dB BW (MHz)	
					UNII 2C	UNII 3
HE40	5710	142	26 T	# 0	-	-
				9	18.60	4.20
				16	15.24	5.40
				17	15.08	7.32
			52 T	# 37	-	-
				41	18.68	4.52
				43	15.16	4.44
				44	15.08	7.64
			106 T	# 53	-	-
				# 54	-	-
				55	19.24	5.08
				56	16.28	7.96
			242 T	# 61	-	-
				62	18.84	8.28
			484 T	65	38.04	7.96
			SU	-	37.72	7.80

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	26 dB BW (MHz)	
					UNII 2C	UNII 3
HE80	5690	138	26 T	# 0	-	-
				# 18	-	-
				35	15.48	7.24
				36	14.68	9.80
			52 T	# 37	-	-
				# 45	-	-
				51	15.32	5.16
				52	15.00	9.00
			106 T	# 53	-	-
				# 57	-	-
				59	20.76	5.80
				60	16.28	9.00
			242 T	# 61	-	-
				# 62	-	-
				63	38.84	5.80
				64	19.96	9.32
			484 T	# 65	-	-
				66	38.20	8.68
			996 T	67	79.16	9.80
			SU	-	78.52	9.16

10.6.1.3 MIMO Ant. 2

802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	26 dB BW (MHz)	
					UNII 2C	UNII 3
HE20	5720	144	26 T	0	17.60	4.32
				4	14.16	4.32
				7	14.16	5.84
				8	14.16	7.56
			52 T	37	17.88	4.48
				38	14.52	4.40
				39	14.44	4.44
				40	14.52	7.56
			106 T	53	18.04	4.68
				54	14.84	8.00
			242 T	61	20.08	13.96
			SU	-	20.28	10.20

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	26 dB BW (MHz)	
					UNII 2C	UNII 3
HE40	5710	142	26 T	# 0	-	-
				9	18.20	4.36
				16	15.24	5.32
				17	15.40	7.32
			52 T	# 37	-	-
				41	17.88	4.52
				43	15.56	4.52
				44	15.64	7.08
			106 T	# 53	-	-
				# 54	-	-
				55	18.36	5.88
				56	16.12	7.88
			242 T	# 61	-	-
				62	18.44	7.56
			484 T	65	37.40	7.48
			SU	-	37.96	6.92

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	26 dB BW (MHz)	
					UNII 2C	UNII 3
HE80	5690	138	26 T	# 0	-	-
				# 18	-	-
				35	15.00	6.60
				36	14.68	9.48
			52 T	# 37	-	-
				# 45	-	-
				51	15.48	4.68
				52	15.00	8.52
			106 T	# 53	-	-
				# 57	-	-
				59	19.16	5.80
				60	15.80	8.36
			242 T	# 61	-	-
				# 62	-	-
				63	38.04	4.84
				64	19.16	8.36
			484 T	# 65	-	-
				66	38.04	8.68
			996 T	67	78.20	8.52
			SU	-	77.88	8.52

10.6.2 6 dB Bandwidth

Test Note:

1. 6 dB Bandwidth = Measured Frequency[MHz] – 5725 MHz
2. # : 6 dB bandwidth is only located in UNII 2C. Therefore 6 dB bandwidth do not overlap.
3. Limit : > 0.5 MHz

10.6.2.1 SISO(Ant. 2)

802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	6 dB BW (MHz)
					UNII 3
HE20	5720	144	26 T	# 0	-
				# 4	-
				7	2.48
				8	4.56
			52 T	# 37	-
				# 38	-
				39	2.56
				40	4.56
			106 T	# 53	-
				54	4.64
			242 T	61	4.80
			SU	-	4.76

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	6 dB BW (MHz)
					UNII 3
HE40	5710	142	26 T	# 0	-
				# 9	-
				16	2.12
				17	4.12
			52 T	# 37	-
				# 41	-
				# 43	2.60
				44	4.12
			106 T	# 53	-
				# 54	-
				55	2.68
				56	4.12
			242 T	# 61	-
				62	4.12
			484 T	65	4.12
			SU	-	4.12

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	6 dB BW (MHz)
					UNII 3
HE80	5690	138	26 T	# 0	-
				# 18	-
				35	2.12
				36	4.20
			52 T	# 37	-
				# 45	-
				# 51	2.60
				52	4.20
			106 T	# 53	-
				# 57	-
				# 59	2.76
				60	4.20
			242 T	# 61	-
				# 62	-
				63	2.76
				64	4.20
			484 T	# 65	-
				66	4.20
996 T	67	4.20			
SU	-	4.20			

10.6.2.2 MIMO Ant. 1

802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	6 dB BW (MHz)
					UNII 3
HE20	5720	144	26 T	# 0	-
				# 4	-
				7	2.48
				8	4.52
			52 T	# 37	-
				# 38	-
				39	2.56
				40	4.52
			106 T	# 53	-
				54	4.64
			242 T	61	4.68
			SU	-	4.60

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	6 dB BW (MHz)
					UNII 3
HE40	5710	142	26 T	# 0	-
				# 9	-
				16	2.12
				17	4.12
			52 T	# 37	-
				# 41	-
				# 43	2.60
				44	4.12
			106 T	# 53	-
				# 54	-
				55	2.60
				56	4.12
			242 T	# 61	-
				62	4.12
			484 T	65	4.12
			SU	-	4.12

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	6 dB BW (MHz)
					UNII 3
HE80	5690	138	26 T	# 0	-
				# 18	-
				35	2.12
				36	4.20
			52 T	# 37	-
				# 45	-
				# 51	2.60
				52	4.20
			106 T	# 53	-
				# 57	-
				# 59	2.76
				60	4.20
			242 T	# 61	-
				# 62	-
				63	2.76
				64	4.20
			484 T	# 65	-
66	4.20				
996 T	67	4.20			
SU	-	4.20			

10.6.2.3 MIMO Ant. 2

802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	6 dB BW (MHz)
					UNII 3
HE20	5720	144	26 T	# 0	-
				# 4	-
				7	2.52
				8	4.52
			52 T	# 37	-
				# 38	-
				39	2.56
				40	4.52
			106 T	# 53	-
				54	4.60
			242 T	61	4.72
			SU	-	4.68

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	6 dB BW (MHz)
					UNII 3
HE40	5710	142	26 T	# 0	-
				# 9	-
				16	2.04
				17	4.12
			52 T	# 37	-
				# 41	-
				# 43	2.60
				44	4.12
			106 T	# 53	-
				# 54	-
				55	2.60
				56	4.12
			242 T	# 61	-
				62	4.12
			484 T	65	4.12
			SU	-	4.12

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	6 dB BW (MHz)
					UNII 3
HE80	5690	138	26 T	# 0	-
				# 18	-
				35	2.12
				36	4.20
			52 T	# 37	-
				# 45	-
				# 51	2.60
				52	4.20
			106 T	# 53	-
				# 57	-
				# 59	2.76
				60	4.20
			242 T	# 61	-
				# 62	-
				63	2.76
				64	4.20
			484 T	# 65	-
66	4.20				
996 T	67	4.20			
SU	-	4.20			

10.6.3 Output Power

Test Note:

1. # : 26 dB bandwidth is only located in UNII 2C. Therefore 26 dB bandwidth do not overlap.
2. Limit(UNII 2C) : 23.98 dBm or 11 dBm + 10 log B, (where B is the 26 dB emission bandwidth in megahertz.)
3. Limit(UNII 3) : 30.00 dBm

10.6.3.1 SISO(Ant. 2)

802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	Total Power (dBm)	
					UNII 2C	UNII 3
HE20	5720	144	26 T	0	9.44	-20.19
				4	9.34	-19.36
				7	-6.51	9.40
				8	-13.47	9.61
			52 T	37	9.64	-19.27
				38	9.59	-19.10
				39	9.08	-0.57
				40	-8.63	9.35
			106 T	53	9.49	-16.47
				54	6.02	6.88
			242 T	61	8.56	3.62
			SU	-	15.63	10.65

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	Total Power (dBm)	
					UNII 2C	UNII 3
HE40	5710	142	26 T	# 0	-	-
				9	9.33	-19.68
				16	-0.68	8.86
				17	-13.58	9.29
			52 T	# 37	-	-
				41	9.21	-19.47
				43	9.27	-6.93
				44	-3.33	9.04
			106 T	# 53	-	-
				# 54	-	-
				55	9.22	-16.34
				56	6.50	6.13
			242 T	# 61	-	-
				62	8.22	2.68
			484 T	65	9.18	0.03
			SU	-	14.00	4.88

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	Total Power (dBm)	
					UNII 2C	UNII 3
HE80	5690	138	26 T	# 0	-	-
				# 18	-	-
				35	-0.40	8.96
				36	-13.60	9.36
			52 T	# 37	-	-
				# 45	-	-
				51	9.45	-6.78
				52	-3.08	9.36
			106 T	# 53	-	-
				# 57	-	-
				59	9.37	-15.74
				60	6.81	6.58
			242 T	# 61	-	-
				# 62	-	-
				63	9.59	-15.59
				64	8.57	3.21
			484 T	# 65	-	-
				66	9.06	0.17
			996 T	67	9.21	-2.94
			SU	-	11.07	-1.17

10.6.3.2 MIMO Ant. 1

802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	Total Power (dBm)	
					UNII 2C	UNII 3
HE20	5720	144	26 T	0	9.62	-19.18
				4	9.52	-18.87
				7	-6.38	9.24
				8	-12.72	9.18
			52 T	37	9.25	-16.99
				38	9.13	-17.31
				39	8.65	-1.08
				40	-7.54	9.06
			106 T	53	9.30	-13.39
				54	5.84	6.59
			242 T	61	8.21	3.28
			SU	-	14.94	9.90

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	Total Power (dBm)	
					UNII 2C	UNII 3
HE40	5710	142	26 T	# 0	-	-
				9	8.55	-20.68
				16	-1.08	8.10
				17	-13.64	8.50
			52 T	# 37	-	-
				41	8.61	-17.29
				43	8.85	-7.32
				44	-3.33	8.51
			106 T	# 53	-	-
				# 54	-	-
				55	8.50	-14.17
				56	5.69	5.24
			242 T	# 61	-	-
				62	7.54	1.93
			484 T	65	8.25	-0.98
			SU	-	13.54	4.27

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	Total Power (dBm)	
					UNII 2C	UNII 3
HE80	5690	138	26 T	# 0	-	-
				# 18	-	-
				35	0.03	9.33
				36	-13.37	9.68
			52 T	# 37	-	-
				# 45	-	-
				51	9.27	-6.90
				52	-2.81	9.17
			106 T	# 53	-	-
				# 57	-	-
				59	9.27	-13.03
				60	6.46	6.20
			242 T	# 61	-	-
				# 62	-	-
				63	9.81	-13.46
				64	8.64	3.11
			484 T	# 65	-	-
				66	9.29	0.22
			996 T	67	9.84	-2.66
			SU	-	12.24	-0.23

10.6.3.3 MIMO Ant. 2

802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	Total Power (dBm)	
					UNII 2C	UNII 3
HE20	5720	144	26 T	0	9.51	-19.45
				4	9.34	-19.57
				7	-6.48	9.28
				8	-13.11	9.45
			52 T	37	9.41	-17.24
				38	9.40	-16.66
				39	8.91	-0.78
				40	-7.52	9.34
			106 T	53	9.48	-13.36
				54	5.98	6.78
			242 T	61	8.45	3.48
			SU	-	15.04	10.09

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	Total Power (dBm)	
					UNII 2C	UNII 3
HE40	5710	142	26 T	# 0	-	-
				9	9.12	-19.67
				16	-0.44	8.77
				17	-13.26	9.17
			52 T	# 37	-	-
				41	9.15	-16.85
				43	9.21	-7.01
				44	-2.93	9.02
			106 T	# 53	-	-
				# 54	-	-
				55	9.21	-13.57
				56	6.56	6.10
			242 T	# 61	-	-
				62	8.33	2.78
			484 T	65	9.04	-0.08
			SU	-	13.63	4.39

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	Total Power (dBm)	
					UNII 2C	UNII 3
HE80	5690	138	26 T	# 0	-	-
				# 18	-	-
				35	-0.76	8.54
				36	-13.83	9.00
			52 T	# 37	-	-
				# 45	-	-
				51	8.78	-7.34
				52	-3.25	8.74
			106 T	# 53	-	-
				# 57	-	-
				59	8.75	-13.77
				60	6.07	5.79
			242 T	# 61	-	-
				# 62	-	-
				63	8.92	-13.71
				64	7.89	2.52
			484 T	# 65	-	-
				66	8.60	-0.35
			996 T	67	9.08	-3.22
			SU	-	11.72	-0.48

10.6.4 Power Spectral Density

Test Note:

1. # : 26 dB bandwidth is only located in UNII 2C. Therefore 26 dB bandwidth do not overlap.
2. Limit(UNII 2C) : 11 dBm/ MHz
3. Limit(UNII 3) : 30 dBm/ 500 kHz

10.6.4.1 SISO(Ant. 2)

802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE20	5720	144	26 T	0	6.576	-25.048
				4	5.527	-22.224
				7	-2.015	3.904
				8	-19.999	3.972
			52 T	37	3.915	-25.565
				38	3.920	-24.084
				39	3.865	0.360
				40	-4.809	1.169
			106 T	53	0.769	-21.780
				54	0.726	-2.189
			242 T	61	-2.476	-5.411
			SU	-	4.663	1.687

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE40	5710	142	26 T	# 0	-	-
				9	6.776	-24.506
				16	3.422	3.703
				17	-19.851	3.675
			52 T	# 37	-	-
				41	3.623	-23.971
				43	3.646	-9.598
				44	0.400	0.786
			106 T	# 53	-	-
				# 54	-	-
				55	0.510	-21.903
				56	0.545	-2.376
			242 T	# 61	-	-
				62	-2.959	-5.918
			484 T	65	-5.522	-8.352
			SU	-	-0.600	-3.537

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE80	5690	138	26 T	# 0	-	-
				# 18	-	-
				35	2.740	3.775
				36	-22.465	3.608
			52 T	# 37	-	-
				# 45	-	-
				51	3.898	-10.682
				52	-0.184	0.961
			106 T	# 53	-	-
				# 57	-	-
				59	0.522	-24.113
				60	0.836	-1.981
			242 T	# 61	-	-
				# 62	-	-
				63	-2.721	-21.718
				64	-2.624	-5.353
			484 T	# 65	-	-
				66	-5.560	-8.334
			996 T	67	-8.703	-11.607
			SU	-	-6.893	-9.555

10.6.4.2 MIMO Ant. 1

802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE20	5720	144	26 T	0	6.794	-23.189
				4	5.651	-23.239
				7	-1.920	3.745
				8	-19.134	3.755
			52 T	37	3.518	-21.715
				38	3.475	-21.767
				39	3.322	-0.091
				40	-5.154	0.585
			106 T	53	0.670	-19.174
				54	0.494	-2.254
			242 T	61	-2.803	-5.757
			SU	-	3.976	1.110

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE40	5710	142	26 T	# 0	-	-
				9	5.661	-25.380
				16	2.781	2.956
				17	-20.503	3.020
			52 T	# 37	-	-
				41	2.802	-23.337
				43	3.208	-10.304
				44	-0.192	0.245
			106 T	# 53	-	-
				# 54	-	-
				55	-0.256	-18.996
				56	-0.292	-3.246
			242 T	# 61	-	-
				62	-3.536	-6.670
			484 T	65	-6.430	-9.276
			SU	-	-0.925	-4.191

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE80	5690	138	26 T	# 0	-	-
				# 18	-	-
				35	3.041	4.146
				36	-20.156	3.975
			52 T	# 37	-	-
				# 45	-	-
				51	3.674	-11.094
				52	-0.559	0.802
			106 T	# 53	-	-
				# 57	-	-
				59	0.598	-18.321
				60	0.415	-2.350
			242 T	# 61	-	-
				# 62	-	-
				63	-2.368	-18.814
				64	-2.603	-5.525
			484 T	# 65	-	-
				66	-5.355	-8.190
			996 T	67	-7.790	-11.056
			SU	-	-5.499	-8.333

10.6.4.3 MIMO Ant. 2

802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE20	5720	144	26 T	0	6.704	-24.026
				4	5.444	-25.721
				7	-1.846	3.765
				8	-20.317	3.823
			52 T	37	3.797	-21.076
				38	3.713	-20.653
				39	3.615	0.163
				40	-4.857	0.960
			106 T	53	0.747	-19.178
				54	0.647	-2.213
			242 T	61	-2.632	-5.433
			SU	-	4.008	1.426

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE40	5710	142	26 T	# 0	-	-
				9	6.167	-24.396
				16	3.286	3.640
				17	-20.865	3.535
			52 T	# 37	-	-
				41	3.338	-22.914
				43	3.510	-9.796
				44	0.476	0.673
			106 T	# 53	-	-
				# 54	-	-
				55	0.499	-19.360
				56	0.476	-2.427
			242 T	# 61	-	-
				62	-2.840	-5.614
			484 T	65	-5.605	-8.548
			SU	-	-1.052	-3.920

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE80	5690	138	26 T	# 0	-	-
				# 18	-	-
				35	2.192	3.322
				36	-20.565	3.205
			52 T	# 37	-	-
				# 45	-	-
				51	3.142	-11.428
				52	-0.981	0.488
			106 T	# 53	-	-
				# 57	-	-
				59	-0.127	-20.317
				60	0.092	-2.731
			242 T	# 61	-	-
				# 62	-	-
				63	-3.352	-21.458
				64	-3.271	-5.925
			484 T	# 65	-	-
				66	-6.058	-8.716
996 T	67	-8.735	-11.254			
SU	-	-6.188	-8.773			

10.7 RADIATED SPURIOUS EMISSIONS (9 kHz – 1 GHz)

Frequency Range : 9 kHz – 30 MHz

Frequency	Measured Value	CL+AF+DF-AG	ANT. POL	Total	Limit	Margin
[MHz]	[dB μ V]	[dB/m]	[H/V]	[dB μ V/m]	[dB μ V/m]	[dB]
No Critical peaks found						

Note:

1. The Measured Level of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
2. Distance extrapolation factor = $40 \log(\text{specific distance} / \text{test distance})$ (dB)
3. Limit line = specific Limits (dB μ V) + Distance extrapolation factor

Frequency Range : Below 1 GHz

Frequency	Measured Value	A.F+C.L	ANT. POL	Total	Limit	Margin
[MHz]	[dB μ V]	[dB/m]	[H/V]	[dB μ V/m]	[dB μ V/m]	[dB]
No Critical peaks found						

Note:

1. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode

10.8 RADIATED SPURIOUS EMISSIONS (Above 1 GHz)

10.8.1 802.11ax(HE20)(MIMO)

1) 26 Tone RU 4

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Measured Level [dB μ V]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Measurement Type
11000	48.92	4.60	V	53.52	73.98	20.46	PK
11000	38.69	4.60	V	43.29	53.98	10.69	AV
16500	46.00	7.38	V	53.38	68.20	14.82	PK
11000	49.22	4.60	H	53.82	73.98	20.16	PK
11000	38.81	4.60	H	43.41	53.98	10.57	AV
16500	45.79	7.38	H	53.17	68.20	15.03	PK

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5600 MHz
Channel No.	120 Ch

Frequency [MHz]	Measured Level [dB μ V]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Measurement Type
11200	48.95	4.92	V	53.87	73.98	20.11	PK
11200	37.67	4.92	V	42.59	53.98	11.39	AV
16800	45.81	8.76	V	54.57	68.20	13.63	PK
11200	49.47	4.92	H	54.39	73.98	19.59	PK
11200	37.92	4.92	H	42.84	53.98	11.14	AV
16800	45.42	8.76	H	54.18	68.20	14.02	PK

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Measured Level [dB μ V]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Measurement Type
11440	49.54	4.50	V	54.04	73.98	19.94	PK
11440	37.65	4.50	V	42.15	53.98	11.83	AV
17160	47.68	8.48	V	56.16	68.20	12.04	PK
11440	49.91	4.50	H	54.41	73.98	19.57	PK
11440	37.71	4.50	H	42.21	53.98	11.77	AV
17160	47.51	8.48	H	55.99	68.20	12.21	PK

Note:

All Modes of operation were investigated and the worst case configuration results are reported.
In order to simplify the report, We only have attached RSE result of worst case.

2) 52 Tone RU 38

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Measured Level [dB μ V]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Measurement Type
11000	48.57	4.60	V	53.17	73.98	20.81	PK
11000	39.18	4.60	V	43.78	53.98	10.20	AV
16500	46.63	7.38	V	54.01	68.20	14.19	PK
11000	49.23	4.60	H	53.83	73.98	20.15	PK
11000	39.52	4.60	H	44.12	53.98	9.86	AV
16500	46.51	7.38	H	53.89	68.20	14.31	PK

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5600 MHz
Channel No.	120 Ch

Frequency [MHz]	Measured Level [dB μ V]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Measurement Type
11200	48.59	4.92	V	53.51	73.98	20.47	PK
11200	38.92	4.92	V	43.84	53.98	10.14	AV
16800	46.06	8.76	V	54.82	68.20	13.38	PK
11200	48.73	4.92	H	53.65	73.98	20.33	PK
11200	39.15	4.92	H	44.07	53.98	9.91	AV
16800	45.84	8.76	H	54.60	68.20	13.60	PK

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Measured Level [dB μ V]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Measurement Type
11440	49.12	4.50	V	53.62	73.98	20.36	PK
11440	36.89	4.50	V	41.39	53.98	12.59	AV
17160	46.65	8.48	V	55.13	68.20	13.07	PK
11440	49.30	4.50	H	53.80	73.98	20.18	PK
11440	37.13	4.50	H	41.63	53.98	12.35	AV
17160	46.57	8.48	H	55.05	68.20	13.15	PK

Note:

All Modes of operation were investigated and the worst case configuration results are reported.
In order to simplify the report, We only have attached RSE result of worst case.

3) SU

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Measured Level [dB μ V]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Measurement Type
10360	49.57	5.07	V	54.64	68.20	13.56	PK
15540	47.58	5.45	V	53.03	73.98	20.95	PK
15540	34.51	5.45	V	39.96	53.98	14.02	AV
10360	49.70	5.07	H	54.77	68.20	13.43	PK
15540	47.68	5.45	H	53.13	73.98	20.85	PK
15540	34.59	5.45	H	40.04	53.98	13.94	AV

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Measured Level [dB μ V]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Measurement Type
10400	48.67	4.05	V	52.72	68.20	15.48	PK
15600	47.73	4.10	V	51.83	73.98	22.15	PK
15600	34.79	4.10	V	38.89	53.98	15.09	AV
10400	48.71	4.05	H	52.76	68.20	15.44	PK
15600	48.14	4.10	H	52.24	73.98	21.74	PK
15600	35.07	4.10	H	39.17	53.98	14.81	AV

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Measured Level [dB μ V]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Measurement Type
10480	49.53	4.63	V	54.16	68.20	14.04	PK
15720	47.92	3.78	V	51.70	73.98	22.28	PK
15720	34.78	3.78	V	38.56	53.98	15.42	AV
10480	49.68	4.63	H	54.31	68.20	13.89	PK
15720	48.07	3.78	H	51.85	73.98	22.13	PK
15720	34.81	3.78	H	38.59	53.98	15.39	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Measured Level [dB μ V]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Measurement Type
10520	49.62	4.81	V	54.43	68.20	13.77	PK
15780	47.67	4.11	V	51.78	73.98	22.20	PK
15780	34.19	4.11	V	38.30	53.98	15.68	AV
10520	49.77	4.81	H	54.58	68.20	13.62	PK
15780	47.78	4.11	H	51.89	73.98	22.09	PK
15780	34.37	4.11	H	38.48	53.98	15.50	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Measured Level [dB μ V]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Measurement Type
10600	49.30	4.62	V	53.92	73.98	20.06	PK
10600	38.74	4.62	V	43.36	53.98	10.62	AV
15900	47.23	5.90	V	53.13	73.98	20.85	PK
15900	34.33	5.90	V	40.23	53.98	13.75	AV
10600	50.11	4.62	H	54.73	73.98	19.25	PK
10600	38.82	4.62	H	43.44	53.98	10.54	AV
15900	47.34	5.90	H	53.24	73.98	20.74	PK
15900	34.24	5.90	H	40.14	53.98	13.84	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Measured Level [dB μ V]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Measurement Type
10640	49.40	4.49	V	53.89	73.98	20.09	PK
10640	38.51	4.49	V	43.00	53.98	10.98	AV
15960	47.89	4.80	V	52.69	73.98	21.29	PK
15960	34.58	4.80	V	39.38	53.98	14.60	AV
10640	49.59	4.49	H	54.08	73.98	19.90	PK
10640	38.74	4.49	H	43.23	53.98	10.75	AV
15960	47.73	4.80	H	52.53	73.98	21.45	PK
15960	34.42	4.80	H	39.22	53.98	14.76	AV

Band : UNII 2C
 Operation Mode: 802.11ax(HE20)
 Transfer MCS Index: MCS0
 Operating Frequency 5500 MHz
 Channel No. 100 Ch

Frequency [MHz]	Measured Level [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11000	50.21	4.60	V	54.81	73.98	19.17	PK
11000	39.97	4.60	V	44.57	53.98	9.41	AV
16500	47.73	7.38	V	55.11	68.20	13.09	PK
11000	50.44	4.60	H	55.04	73.98	18.94	PK
11000	40.43	4.60	H	45.03	53.98	8.95	AV
16500	47.52	7.38	H	54.90	68.20	13.30	PK

Band : UNII 2C
 Operation Mode: 802.11ax(HE20)
 Transfer MCS Index: MCS0
 Operating Frequency 5600 MHz
 Channel No. 120 Ch

Frequency [MHz]	Measured Level [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11200	49.37	4.92	V	54.29	73.98	19.69	PK
11200	39.51	4.92	V	44.43	53.98	9.55	AV
16800	46.05	8.76	V	54.81	68.20	13.39	PK
11200	49.54	4.92	H	54.46	73.98	19.52	PK
11200	39.99	4.92	H	44.91	53.98	9.07	AV
16800	45.79	8.76	H	54.55	68.20	13.65	PK

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Measured Level [dB μ V]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Measurement Type
11440	49.08	4.50	V	53.58	73.98	20.40	PK
11440	38.02	4.50	V	42.52	53.98	11.46	AV
17160	46.80	8.48	V	55.28	68.20	12.92	PK
11440	49.34	4.50	H	53.84	73.98	20.14	PK
11440	38.27	4.50	H	42.77	53.98	11.21	AV
17160	46.46	8.48	H	54.94	68.20	13.26	PK

Band :	UNII 3
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5745MHz
Channel No.	149 Ch

Frequency [MHz]	Measured Level [dB μ V]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Measurement Type
11490	48.86	4.17	V	53.03	73.98	20.95	PK
11490	39.12	4.17	V	43.29	53.98	10.69	AV
17235	47.38	9.67	V	57.05	68.20	11.15	PK
11490	49.09	4.17	H	53.26	73.98	20.72	PK
11490	39.38	4.17	H	43.55	53.98	10.43	AV
17235	47.52	9.67	H	57.19	68.20	11.01	PK

Band :	UNII 3
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Measured Level [dB μ V]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Measurement Type
11570	47.95	4.99	V	52.94	73.98	21.04	PK
11570	35.45	4.99	V	40.44	53.98	13.54	AV
17355	47.44	10.60	V	58.04	68.20	10.16	PK
11570	48.24	4.99	H	53.23	73.98	20.75	PK
11570	35.97	4.99	H	40.96	53.98	13.02	AV
17355	47.09	10.60	H	57.69	68.20	10.51	PK

Band :	UNII 3
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Measured Level [dB μ V]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Measurement Type
11650	49.02	4.71	V	53.73	73.98	20.25	PK
11650	36.48	4.71	V	41.19	53.98	12.79	AV
17475	47.69	10.07	V	57.76	68.20	10.44	PK
11650	49.30	4.71	H	54.01	73.98	19.97	PK
11650	36.81	4.71	H	41.52	53.98	12.46	AV
17475	47.54	10.07	H	57.61	68.20	10.59	PK

Note:

All Modes of operation were investigated and the worst case configuration results are reported.
In order to simplify the report, We only have attached RSE result of worst case.

[RSDB Mode]

Bluetooth_Ch.78_GFSK + WLAN_5 GHz_802.11ax_HE20_Ch.100_SU_MCS0

Frequency [MHz]	Measured Level [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11000	50.15	4.35	V	54.50	73.98	19.48	PK
11000	40.32	4.35	V	44.67	53.98	9.31	AV
16500	47.35	7.38	V	54.73	68.20	13.47	PK
11000	49.65	4.35	H	54.00	73.98	19.98	PK
11000	39.45	4.35	H	43.80	53.98	10.18	AV
16500	47.20	7.38	H	54.58	68.20	13.62	PK

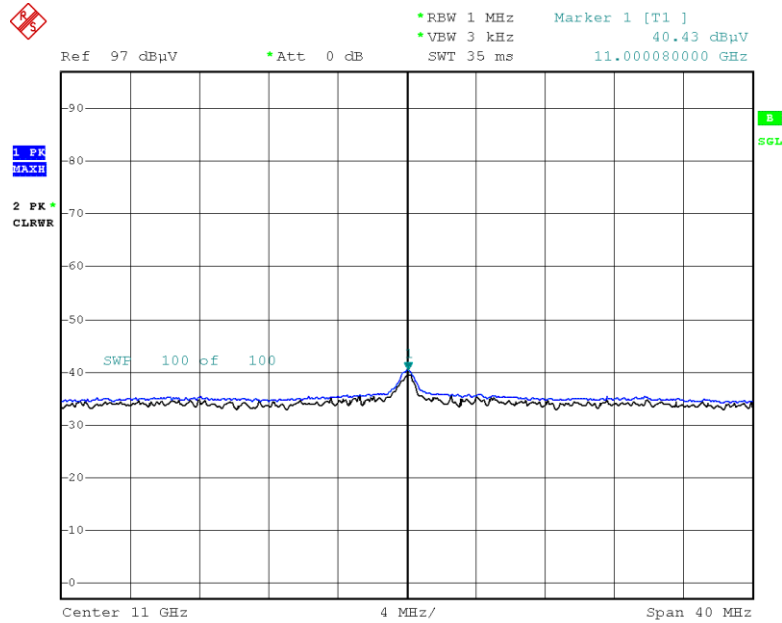
Note :

Bluetooth RSDB Data refer to [BT] Test Report.

Test Plots

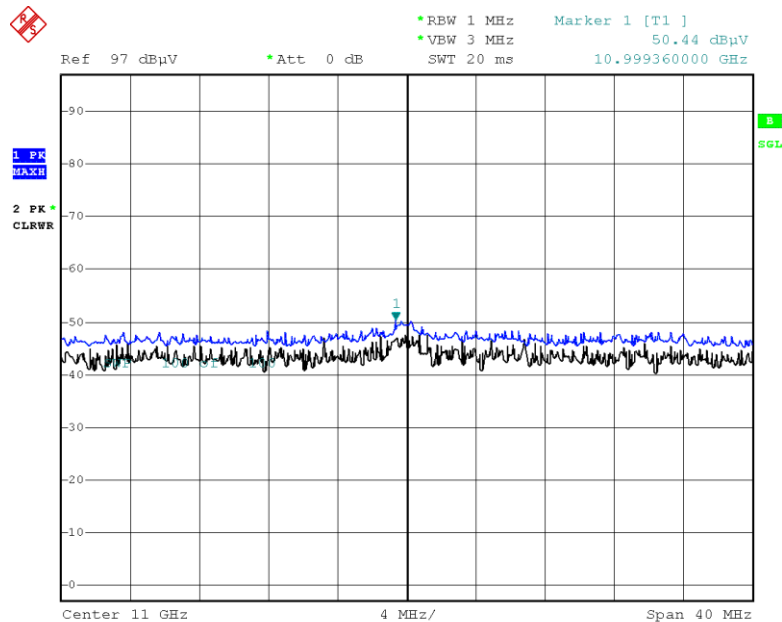
[MIMO]

Radiated Spurious Emissions plot - Average result (802.11ax HE20_SU, Ch.100 Spurious Emission, Y-H)



Date: 10.JAN.2023 10:16:51

Radiated Spurious Emissions plot - Peak result (802.11ax HE20_SU, Ch.100 Spurious Emission, Y-H)



Date: 10.JAN.2023 10:17:00

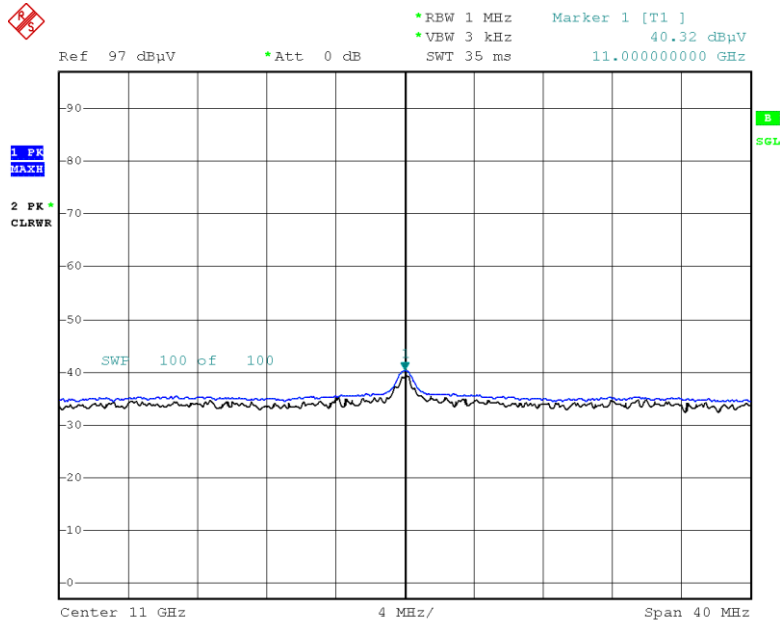
Note:

Only the worst case plots for Radiated Spurious Emissions.

[RSDB Mode]

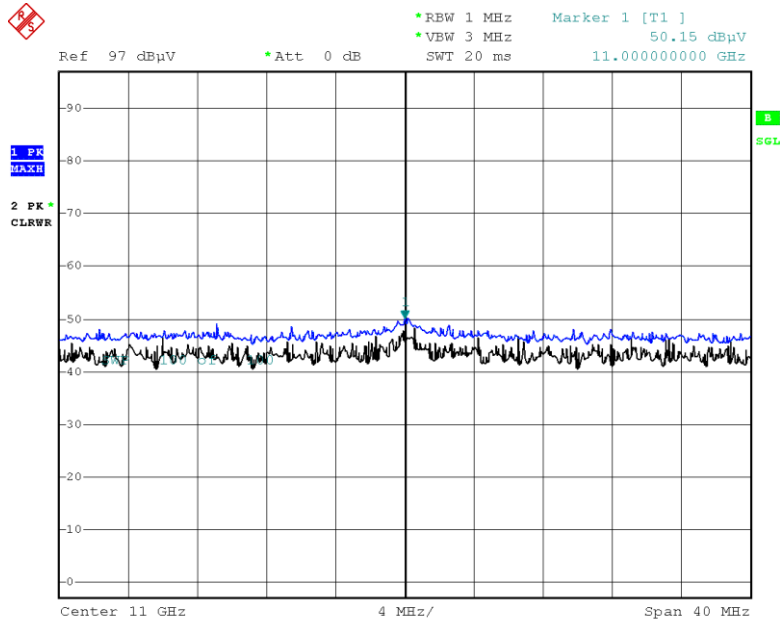
Bluetooth_Ch.78_GFSK + WLAN_5 GHz_802.11ax_HE20_Ch.100_SU_MCS0

Radiated Spurious Emissions plot - Average result (802.11ax HE20_SU, Ch.100 Spurious Emission, X-V)



Date: 11.JAN.2023 11:10:04

Radiated Spurious Emissions plot - Average result (802.11ax HE20_SU, Ch.100 Spurious Emission, X-V)



Date: 11.JAN.2023 11:10:37

Note:

Only the worst case plots for Radiated Spurious Emissions.

10.9 RADIATED RESTRICTED BAND EDGE

10.9.1 SISO

1) 802.11ax(HE20)

1.1) 26 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5180 MHz
Channel No.	36 Ch
RU offset.	0

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	55.62	0.00	11.65	H	67.27	73.98	6.71	PK
5150	33.08	0.10	11.65	H	44.83	53.98	9.15	AV
5150	55.71	0.00	11.65	V	67.36	73.98	6.62	PK
5150	33.12	0.10	11.65	V	44.87	53.98	9.11	AV

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5180 MHz
Channel No.	36 Ch
RU offset.	4

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	52.18	0.00	11.65	H	63.83	73.98	10.15	PK
5150	32.79	0.10	11.65	H	44.54	53.98	9.44	AV
5150	52.49	0.00	11.65	V	64.14	73.98	9.84	PK
5150	33.08	0.10	11.65	V	44.83	53.98	9.15	AV

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5180 MHz
Channel No.	36 Ch
RU offset.	8

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	52.71	0.00	11.65	H	64.36	73.98	9.62	PK
5150	32.93	0.10	11.65	H	44.68	53.98	9.30	AV
5150	52.87	0.00	11.65	V	64.52	73.98	9.46	PK
5150	33.25	0.10	11.65	V	45.00	53.98	8.98	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch
RU offset.	0

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	52.42	0.00	11.74	H	64.16	73.98	9.82	PK
5350	32.87	0.10	11.74	H	44.71	53.98	9.27	AV
5350	52.59	0.00	11.74	V	64.33	73.98	9.65	PK
5350	32.91	0.10	11.74	V	44.75	53.98	9.23	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch
RU offset.	4

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	53.79	0.00	11.74	H	65.53	73.98	8.45	PK
5350	32.59	0.10	11.74	H	44.43	53.98	9.55	AV
5350	53.95	0.00	11.74	V	65.69	73.98	8.29	PK
5350	32.63	0.10	11.74	V	44.47	53.98	9.51	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch
RU offset.	8

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	55.61	0.00	11.74	H	67.35	73.98	6.63	PK
5350	32.75	0.10	11.74	H	44.59	53.98	9.39	AV
5350	55.79	0.00	11.74	V	67.53	73.98	6.45	PK
5350	32.81	0.10	11.74	V	44.65	53.98	9.33	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch
RU offset.	0

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	21.65	0.00	42.34	H	63.98	73.98	10.00	PK
5460	0.57	0.10	42.34	H	43.01	53.98	10.97	AV
5470	23.60	0.00	42.43	H	66.03	68.20	2.17	PK
5460	21.72	0.00	42.34	V	64.06	73.98	9.92	PK
5460	0.58	0.10	42.34	V	43.02	53.98	10.96	AV
5470	23.67	0.00	42.43	V	66.10	68.20	2.10	PK

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch
RU offset.	4

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	49.68	0.00	12.60	H	62.28	73.98	11.70	PK
5460	32.64	0.10	12.60	H	45.34	53.98	8.64	AV
5470	52.82	0.00	12.85	H	65.67	68.20	2.53	PK
5460	49.72	0.00	12.60	V	62.32	73.98	11.66	PK
5460	32.71	0.10	12.60	V	45.41	53.98	8.57	AV
5470	52.97	0.00	12.85	V	65.82	68.20	2.38	PK

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch
RU offset.	8

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	49.68	0.00	12.60	H	62.28	73.98	11.70	PK
5460	32.64	0.10	12.60	H	45.34	53.98	8.64	AV
5470	51.28	0.00	12.85	H	64.13	68.20	4.07	PK
5460	49.79	0.00	12.60	V	62.39	73.98	11.59	PK
5460	32.70	0.10	12.60	V	45.40	53.98	8.58	AV
5470	51.34	0.00	12.85	V	64.19	68.20	4.01	PK

1.2) 52 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5180 MHz
Channel No.	36 Ch
RU offset.	37

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	45.07	0.00	11.65	H	56.72	73.98	17.26	PK
5150	33.75	0.10	11.65	H	45.50	53.98	8.48	AV
5150	45.43	0.00	11.65	V	57.08	73.98	16.90	PK
5150	34.00	0.10	11.65	V	45.75	53.98	8.23	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch
RU offset.	40

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	44.52	0.00	11.74	H	56.26	73.98	17.72	PK
5350	32.75	0.10	11.74	H	44.59	53.98	9.39	AV
5350	44.71	0.00	11.74	V	56.45	73.98	17.53	PK
5350	32.96	0.10	11.74	V	44.80	53.98	9.18	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch
RU offset.	37

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	44.96	0.00	12.60	H	57.56	73.98	16.42	PK
5460	32.97	0.10	12.60	H	45.66	53.98	8.32	AV
5470	44.21	0.00	12.85	H	57.06	68.20	11.14	PK
5460	45.05	0.00	12.60	V	57.65	73.98	16.33	PK
5460	33.02	0.10	12.60	V	45.71	53.98	8.27	AV
5470	44.56	0.00	12.85	V	57.41	68.20	10.79	PK

1.3) 106 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5180 MHz
Channel No.	36 Ch
RU offset.	53

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	45.45	0.00	11.65	H	57.10	73.98	16.88	PK
5150	33.95	0.20	11.65	H	45.80	53.98	8.18	AV
5150	45.79	0.00	11.65	V	57.44	73.98	16.54	PK
5150	34.08	0.20	11.65	V	45.93	53.98	8.05	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch
RU offset.	54

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	44.42	0.00	11.74	H	56.16	73.98	17.82	PK
5350	32.49	0.20	11.74	H	44.43	53.98	9.55	AV
5350	44.58	0.00	11.74	V	56.32	73.98	17.66	PK
5350	32.91	0.20	11.74	V	44.85	53.98	9.13	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch
RU offset.	53

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	45.08	0.00	12.60	H	57.68	73.98	16.30	PK
5460	32.87	0.20	12.60	H	45.67	53.98	8.31	AV
5470	44.34	0.00	12.85	H	57.19	68.20	11.01	PK
5460	45.41	0.00	12.60	V	58.01	73.98	15.97	PK
5460	33.02	0.20	12.60	V	45.82	53.98	8.16	AV
5470	44.70	0.00	12.85	V	57.55	68.20	10.65	PK

1.4) 242 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5180 MHz
Channel No.	36 Ch
RU offset.	61

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	45.75	0.00	11.65	H	57.40	73.98	16.58	PK
5150	33.15	0.38	11.65	H	45.18	53.98	8.80	AV
5150	45.82	0.00	11.65	V	57.47	73.98	16.51	PK
5150	33.22	0.38	11.65	V	45.25	53.98	8.73	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch
RU offset.	61

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	44.93	0.00	11.74	H	56.67	73.98	17.31	PK
5350	32.75	0.38	11.74	H	44.87	53.98	9.11	AV
5350	45.08	0.00	11.74	V	56.82	73.98	17.16	PK
5350	32.90	0.38	11.74	V	45.02	53.98	8.96	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch
RU offset.	61

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	43.59	0.00	12.60	H	56.19	73.98	17.79	PK
5460	32.57	0.38	12.60	H	45.54	53.98	8.44	AV
5470	43.47	0.00	12.85	H	56.32	68.20	11.88	PK
5460	43.87	0.00	12.60	V	56.47	73.98	17.51	PK
5460	32.65	0.38	12.60	V	45.62	53.98	8.36	AV
5470	43.71	0.00	12.85	V	56.56	68.20	11.64	PK

1.5) SU

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5180 MHz
Channel No.	36 Ch
RU offset.	None

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	50.15	0.00	11.65	H	61.80	73.98	12.18	PK
5150	37.56	0.38	11.65	H	49.59	53.98	4.39	AV
5150	50.47	0.00	11.65	V	62.12	73.98	11.86	PK
5150	37.78	0.38	11.65	V	49.81	53.98	4.17	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch
RU offset.	None

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	47.83	0.00	11.74	H	59.57	73.98	14.41	PK
5350	34.97	0.38	11.74	H	47.09	53.98	6.89	AV
5350	48.11	0.00	11.74	V	59.85	73.98	14.13	PK
5350	35.44	0.38	11.74	V	47.56	53.98	6.42	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch
RU offset.	None

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	45.93	0.00	12.60	H	58.53	73.98	15.45	PK
5460	34.54	0.38	12.60	H	47.51	53.98	6.47	AV
5470	45.82	0.00	12.85	H	58.67	68.20	9.53	PK
5460	46.14	0.00	12.60	V	58.74	73.98	15.24	PK
5460	34.68	0.38	12.60	V	47.65	53.98	6.33	AV
5470	46.01	0.00	12.85	V	58.86	68.20	9.34	PK

10.9.2 MIMO
1) 802.11ax(HE20)
1.1) 26 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5180 MHz
Channel No.	36 Ch
RU offset.	0

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	45.21	0.00	11.65	H	56.86	73.98	17.12	PK
5150	34.08	0.11	11.65	H	45.84	53.98	8.14	AV
5150	45.34	0.00	11.65	V	56.99	73.98	16.99	PK
5150	34.13	0.11	11.65	V	45.89	53.98	8.09	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch
RU offset.	8

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	45.93	0.00	11.74	H	57.67	73.98	16.31	PK
5350	33.17	0.11	11.74	H	45.02	53.98	8.96	AV
5350	46.70	0.00	11.74	V	58.44	73.98	15.54	PK
5350	33.53	0.11	11.74	V	45.38	53.98	8.60	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch
RU offset.	0

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	45.05	0.00	12.60	H	57.65	73.98	16.33	PK
5460	33.24	0.11	12.60	H	45.94	53.98	8.04	AV
5470	45.39	0.00	12.85	H	58.24	68.20	9.96	PK
5460	45.18	0.00	12.60	V	57.78	73.98	16.20	PK
5460	33.56	0.11	12.60	V	46.26	53.98	7.72	AV
5470	45.81	0.00	12.85	V	58.66	68.20	9.54	PK

1.2) 52 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5180 MHz
Channel No.	36 Ch
RU offset.	37

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	45.11	0.00	11.65	H	56.76	73.98	17.22	PK
5150	34.28	0.21	11.65	H	46.14	53.98	7.84	AV
5150	45.36	0.00	11.65	V	57.01	73.98	16.97	PK
5150	34.53	0.21	11.65	V	46.39	53.98	7.59	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch
RU offset.	40

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	45.31	0.00	11.74	H	57.05	73.98	16.93	PK
5350	33.50	0.21	11.74	H	45.45	53.98	8.53	AV
5350	45.58	0.00	11.74	V	57.32	73.98	16.66	PK
5350	33.70	0.21	11.74	V	45.65	53.98	8.33	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch
RU offset.	37

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	44.62	0.00	12.60	H	57.22	73.98	16.76	PK
5460	33.45	0.21	12.60	H	46.25	53.98	7.73	AV
5470	44.34	0.00	12.85	H	57.19	68.20	11.01	PK
5460	44.93	0.00	12.60	V	57.53	73.98	16.45	PK
5460	33.58	0.21	12.60	V	46.38	53.98	7.60	AV
5470	44.47	0.00	12.85	V	57.32	68.20	10.88	PK

1.3) 106 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5180 MHz
Channel No.	36 Ch
RU offset.	53

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	48.34	0.00	11.65	H	59.99	73.98	13.99	PK
5150	34.67	0.40	11.65	H	46.72	53.98	7.26	AV
5150	48.83	0.00	11.65	V	60.48	73.98	13.50	PK
5150	34.86	0.40	11.65	V	46.91	53.98	7.07	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch
RU offset.	54

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	45.87	0.00	11.74	H	57.61	73.98	16.37	PK
5350	33.24	0.40	11.74	H	45.38	53.98	8.60	AV
5350	46.08	0.00	11.74	V	57.82	73.98	16.16	PK
5350	33.70	0.40	11.74	V	45.84	53.98	8.14	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch
RU offset.	53

Frequency [MHz]	Measured Level [dB μ V]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Measurement Type
5460	45.01	0.00	12.60	H	57.61	73.98	16.37	PK
5460	33.46	0.40	12.60	H	46.45	53.98	7.53	AV
5470	44.34	0.00	12.85	H	57.19	68.20	11.01	PK
5460	45.20	0.00	12.60	V	57.80	73.98	16.18	PK
5460	33.54	0.40	12.60	V	46.53	53.98	7.45	AV
5470	44.49	0.00	12.85	V	57.34	68.20	10.86	PK

1.4) 242 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5180 MHz
Channel No.	36 Ch
RU offset.	61

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	46.75	0.00	11.65	H	58.40	73.98	15.58	PK
5150	34.03	0.80	11.65	H	46.48	53.98	7.50	AV
5150	47.37	0.00	11.65	V	59.02	73.98	14.96	PK
5150	34.43	0.80	11.65	V	46.88	53.98	7.10	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch
RU offset.	61

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	45.37	0.00	11.74	H	57.11	73.98	16.87	PK
5350	33.45	0.80	11.74	H	45.99	53.98	7.99	AV
5350	45.79	0.00	11.74	V	57.53	73.98	16.45	PK
5350	33.59	0.80	11.74	V	46.13	53.98	7.85	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch
RU offset.	61

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	45.39	0.00	12.60	H	57.99	73.98	15.99	PK
5460	33.27	0.80	12.60	H	46.67	53.98	7.31	AV
5470	45.09	0.00	12.85	H	57.94	68.20	10.26	PK
5460	45.73	0.00	12.60	V	58.33	73.98	15.65	PK
5460	33.40	0.80	12.60	V	46.80	53.98	7.18	AV
5470	45.21	0.00	12.85	V	58.06	68.20	10.14	PK

1.5) SU

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5180 MHz
Channel No.	36 Ch
RU offset.	None

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	27.23	0.00	42.01	H	69.23	73.98	4.75	PK
5150	8.02	0.80	42.01	H	50.83	53.98	3.15	AV
5150	27.35	0.00	42.01	V	69.36	73.98	4.62	PK
5150	8.05	0.80	42.01	V	50.86	53.98	3.12	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch
RU offset.	None

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	48.07	0.00	11.74	H	59.81	73.98	14.17	PK
5350	36.51	0.80	11.74	H	49.06	53.98	4.92	AV
5350	48.33	0.00	11.74	V	60.07	73.98	13.91	PK
5350	36.76	0.80	11.74	V	49.31	53.98	4.67	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch
RU offset.	None

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	47.17	0.00	12.60	H	59.77	73.98	14.21	PK
5460	35.84	0.80	12.60	H	49.24	53.98	4.74	AV
5470	48.63	0.00	12.85	H	61.48	68.20	6.72	PK
5460	47.42	0.00	12.60	V	60.02	73.98	13.96	PK
5460	36.17	0.80	12.60	V	49.57	53.98	4.41	AV
5470	48.91	0.00	12.85	V	61.76	68.20	6.44	PK

2) 802.11ax(HE40)
2.1) 26 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5190 MHz
Channel No.	38 Ch
RU offset.	0

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	46.27	0.00	11.65	H	57.92	73.98	16.06	PK
5150	33.48	0.11	11.65	H	45.24	53.98	8.74	AV
5150	46.48	0.00	11.65	V	58.13	73.98	15.85	PK
5150	33.90	0.11	11.65	V	45.66	53.98	8.32	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5310 MHz
Channel No.	62 Ch
RU offset.	17

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	44.75	0.00	11.74	H	56.49	73.98	17.49	PK
5350	32.76	0.11	11.74	H	44.61	53.98	9.37	AV
5350	44.92	0.00	11.74	V	56.66	73.98	17.32	PK
5350	33.05	0.11	11.74	V	44.90	53.98	9.08	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5510 MHz
Channel No.	102 Ch
RU offset.	0

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	44.67	0.00	12.60	H	57.27	73.98	16.71	PK
5460	32.75	0.11	12.60	H	45.45	53.98	8.53	AV
5470	44.50	0.00	12.85	H	57.35	68.20	10.85	PK
5460	44.83	0.00	12.60	V	57.43	73.98	16.55	PK
5460	32.82	0.11	12.60	V	45.52	53.98	8.46	AV
5470	44.68	0.00	12.85	V	57.53	68.20	10.67	PK

Band :	UNII 2C
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5510 MHz
Channel No.	102 Ch
RU offset.	17

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	45.32	0.00	12.60	H	57.92	73.98	16.06	PK
5460	33.94	0.11	12.60	H	46.64	53.98	7.34	AV
5470	44.38	0.00	12.85	H	57.23	68.20	10.97	PK
5460	45.47	0.00	12.60	V	58.07	73.98	15.91	PK
5460	34.08	0.11	12.60	V	46.78	53.98	7.20	AV
5470	44.54	0.00	12.85	V	57.39	68.20	10.81	PK

2.2) 52 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5190 MHz
Channel No.	38 Ch
RU offset.	37

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	45.18	0.00	11.65	H	56.83	73.98	17.15	PK
5150	33.78	0.19	11.65	H	45.62	53.98	8.36	AV
5150	45.53	0.00	11.65	V	57.18	73.98	16.80	PK
5150	34.04	0.19	11.65	V	45.88	53.98	8.10	AV

Band :	UNII 1
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5310 MHz
Channel No.	62 Ch
RU offset.	44

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	44.91	0.00	11.74	H	56.65	73.98	17.33	PK
5350	32.79	0.19	11.74	H	44.72	53.98	9.26	AV
5350	45.16	0.00	11.74	V	56.90	73.98	17.08	PK
5350	33.05	0.19	11.74	V	44.98	53.98	9.00	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5510 MHz
Channel No.	102 Ch
RU offset.	37

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	45.40	0.00	12.60	H	58.00	73.98	15.98	PK
5460	32.72	0.19	12.60	H	45.51	53.98	8.47	AV
5470	42.93	0.00	12.85	H	55.78	68.20	12.42	PK
5460	45.45	0.00	12.60	V	58.05	73.98	15.93	PK
5460	33.00	0.19	12.60	V	45.79	53.98	8.19	AV
5470	43.62	0.00	12.85	V	56.47	68.20	11.73	PK

Band :	UNII 2C
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5510 MHz
Channel No.	102 Ch
RU offset.	44

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	45.07	0.00	12.60	H	57.67	73.98	16.31	PK
5460	33.24	0.19	12.60	H	46.03	53.98	7.95	AV
5470	44.67	0.00	12.85	H	57.52	68.20	10.68	PK
5460	45.37	0.00	12.60	V	57.97	73.98	16.01	PK
5460	33.60	0.19	12.60	V	46.39	53.98	7.59	AV
5470	44.87	0.00	12.85	V	57.72	68.20	10.48	PK

2.3) 106 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5190 MHz
Channel No.	38 Ch
RU offset.	53

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	44.85	0.00	11.65	H	56.50	73.98	17.48	PK
5150	33.97	0.38	11.65	H	46.00	53.98	7.98	AV
5150	45.18	0.00	11.65	V	56.83	73.98	17.15	PK
5150	34.15	0.38	11.65	V	46.18	53.98	7.80	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5310 MHz
Channel No.	62 Ch
RU offset.	56

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	45.60	0.00	11.74	H	57.34	73.98	16.64	PK
5350	32.97	0.38	11.74	H	45.09	53.98	8.89	AV
5350	45.62	0.00	11.74	V	57.36	73.98	16.62	PK
5350	33.05	0.38	11.74	V	45.17	53.98	8.81	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5510 MHz
Channel No.	102 Ch
RU offset.	53

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	44.19	0.00	12.60	H	56.79	73.98	17.19	PK
5460	32.45	0.38	12.60	H	45.42	53.98	8.56	AV
5470	44.28	0.00	12.85	H	57.13	68.20	11.07	PK
5460	44.52	0.00	12.60	V	57.12	73.98	16.86	PK
5460	32.90	0.38	12.60	V	45.87	53.98	8.11	AV
5470	44.96	0.00	12.85	V	57.81	68.20	10.39	PK

2.4) 242 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5190 MHz
Channel No.	38 Ch
RU offset.	61

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	45.34	0.00	11.65	H	56.99	73.98	16.99	PK
5150	33.72	0.80	11.65	H	46.17	53.98	7.81	AV
5150	45.60	0.00	11.65	V	57.25	73.98	16.73	PK
5150	33.78	0.80	11.65	V	46.23	53.98	7.75	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5310 MHz
Channel No.	62 Ch
RU offset.	62

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	45.01	0.00	11.74	H	56.75	73.98	17.23	PK
5350	32.72	0.80	11.74	H	45.26	53.98	8.72	AV
5350	45.11	0.00	11.74	V	56.85	73.98	17.13	PK
5350	32.95	0.80	11.74	V	45.49	53.98	8.49	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5510 MHz
Channel No.	102 Ch
RU offset.	61

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	44.74	0.00	12.60	H	57.34	73.98	16.64	PK
5460	32.44	0.80	12.60	H	45.84	53.98	8.14	AV
5470	42.93	0.00	12.85	H	55.78	68.20	12.42	PK
5460	44.90	0.00	12.60	V	57.50	73.98	16.48	PK
5460	32.96	0.80	12.60	V	46.36	53.98	7.62	AV
5470	43.62	0.00	12.85	V	56.47	68.20	11.73	PK

2.5) 484 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5190 MHz
Channel No.	38 Ch
RU offset.	65

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	45.93	0.00	11.65	H	57.58	73.98	16.40	PK
5150	34.06	1.34	11.65	H	47.05	53.98	6.93	AV
5150	46.16	0.00	11.65	V	57.81	73.98	16.17	PK
5150	34.16	1.34	11.65	V	47.15	53.98	6.83	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5310 MHz
Channel No.	62 Ch
RU offset.	65

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	46.57	0.00	11.74	H	58.31	73.98	15.67	PK
5350	32.48	1.34	11.74	H	45.56	53.98	8.42	AV
5350	46.68	0.00	11.74	V	58.42	73.98	15.56	PK
5350	32.88	1.34	11.74	V	45.96	53.98	8.02	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5510 MHz
Channel No.	102 Ch
RU offset.	65

Frequency [MHz]	Measured Level [dB μ V]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Measurement Type
5460	44.32	0.00	12.60	H	56.92	73.98	17.06	PK
5460	32.45	1.34	12.60	H	46.39	53.98	7.59	AV
5470	43.48	0.00	12.85	H	56.33	68.20	11.87	PK
5460	44.36	0.00	12.60	V	56.96	73.98	17.02	PK
5460	32.83	1.34	12.60	V	46.77	53.98	7.21	AV
5470	43.92	0.00	12.85	V	56.77	68.20	11.43	PK

2.6) SU

Band :	UNII 1
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5190 MHz
Channel No.	38 Ch
RU offset.	None

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	49.17	0.00	11.65	H	60.82	73.98	13.16	PK
5150	37.12	1.36	11.65	H	50.13	53.98	3.85	AV
5150	49.28	0.00	11.65	V	60.93	73.98	13.05	PK
5150	37.37	1.36	11.65	V	50.38	53.98	3.60	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5310 MHz
Channel No.	62 Ch
RU offset.	None

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	46.42	0.00	11.74	H	58.16	73.98	15.82	PK
5350	34.18	1.36	11.74	H	47.28	53.98	6.70	AV
5350	46.47	0.00	11.74	V	58.21	73.98	15.77	PK
5350	34.48	1.36	11.74	V	47.58	53.98	6.40	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5510 MHz
Channel No.	102 Ch
RU offset.	None

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	45.24	0.00	12.60	H	57.84	73.98	16.14	PK
5460	33.75	1.36	12.60	H	47.70	53.98	6.28	AV
5470	45.29	0.00	12.85	H	58.14	68.20	10.06	PK
5460	45.63	0.00	12.60	V	58.23	73.98	15.75	PK
5460	34.00	1.36	12.60	V	47.95	53.98	6.03	AV
5470	45.62	0.00	12.85	V	58.47	68.20	9.73	PK

3) 802.11ax(HE80)

3.1) 26 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch
RU offset.	0

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	45.93	0.00	11.65	H	57.58	73.98	16.40	PK
5150	34.46	0.11	11.65	H	46.22	53.98	7.76	AV
5150	46.70	0.00	11.65	V	58.35	73.98	15.63	PK
5150	34.91	0.11	11.65	V	46.67	53.98	7.31	AV

Band :	UNII 1
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch
RU offset.	36

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	48.67	0.00	11.65	H	60.32	73.98	13.66	PK
5150	35.97	0.11	11.65	H	47.73	53.98	6.25	AV
5150	48.78	0.00	11.65	V	60.43	73.98	13.55	PK
5150	36.47	0.11	11.65	V	48.23	53.98	5.75	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch
RU offset.	0

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	44.32	0.00	11.74	H	56.06	73.98	17.92	PK
5350	33.41	0.11	11.74	H	45.26	53.98	8.72	AV
5350	44.67	0.00	11.74	V	56.41	73.98	17.57	PK
5350	33.62	0.11	11.74	V	45.47	53.98	8.51	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch
RU offset.	36

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	44.83	0.00	11.74	H	56.57	73.98	17.41	PK
5350	33.66	0.11	11.74	H	45.51	53.98	8.47	AV
5350	45.02	0.00	11.74	V	56.76	73.98	17.22	PK
5350	33.72	0.11	11.74	V	45.57	53.98	8.41	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch
RU offset.	0

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	44.34	0.00	12.60	H	56.94	73.98	17.04	PK
5460	33.14	0.11	12.60	H	45.84	53.98	8.14	AV
5470	43.94	0.00	12.85	H	56.79	68.20	11.41	PK
5460	44.52	0.00	12.60	V	57.12	73.98	16.86	PK
5460	33.31	0.11	12.60	V	46.01	53.98	7.97	AV
5470	44.19	0.00	12.85	V	57.04	68.20	11.16	PK

Band :	UNII 2C
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch
RU offset.	36

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	49.34	0.00	12.60	H	61.94	73.98	12.04	PK
5460	35.94	0.11	12.60	H	48.64	53.98	5.34	AV
5470	44.38	0.00	12.85	H	57.23	68.20	10.97	PK
5460	49.79	0.00	12.60	V	62.39	73.98	11.59	PK
5460	36.49	0.11	12.60	V	49.19	53.98	4.79	AV
5470	44.67	0.00	12.85	V	57.52	68.20	10.68	PK

3.2) 52 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch
RU offset.	37

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	45.07	0.00	11.65	H	56.72	73.98	17.26	PK
5150	33.97	0.21	11.65	H	45.83	53.98	8.15	AV
5150	45.11	0.00	11.65	V	56.76	73.98	17.22	PK
5150	34.46	0.21	11.65	V	46.32	53.98	7.66	AV

Band :	UNII 1
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch
RU offset.	52

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	45.67	0.00	11.65	H	57.32	73.98	16.66	PK
5150	33.83	0.21	11.65	H	45.69	53.98	8.29	AV
5150	46.87	0.00	11.65	V	58.52	73.98	15.46	PK
5150	34.44	0.21	11.65	V	46.30	53.98	7.68	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch
RU offset.	52

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	45.17	0.00	11.74	H	56.91	73.98	17.07	PK
5350	33.53	0.21	11.74	H	45.48	53.98	8.50	AV
5350	46.34	0.00	11.74	V	58.08	73.98	15.90	PK
5350	33.56	0.21	11.74	V	45.51	53.98	8.47	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch
RU offset.	37

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	44.18	0.00	12.60	H	56.78	73.98	17.20	PK
5460	32.75	0.21	12.60	H	45.55	53.98	8.43	AV
5470	44.18	0.00	12.85	H	57.03	68.20	11.17	PK
5460	44.29	0.00	12.60	V	56.89	73.98	17.09	PK
5460	33.09	0.21	12.60	V	45.89	53.98	8.09	AV
5470	44.27	0.00	12.85	V	57.12	68.20	11.08	PK

Band :	UNII 2C
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch
RU offset.	52

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	47.68	0.00	12.60	H	60.28	73.98	13.70	PK
5460	34.48	0.21	12.60	H	47.28	53.98	6.70	AV
5470	43.97	0.00	12.85	H	56.82	68.20	11.38	PK
5460	47.95	0.00	12.60	V	60.55	73.98	13.43	PK
5460	35.03	0.21	12.60	V	47.83	53.98	6.15	AV
5470	44.08	0.00	12.85	V	56.93	68.20	11.27	PK

3.3) 106 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch
RU offset.	53

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	45.19	0.00	11.65	H	56.84	73.98	17.14	PK
5150	34.04	0.38	11.65	H	46.07	53.98	7.91	AV
5150	45.60	0.00	11.65	V	57.25	73.98	16.73	PK
5150	34.22	0.38	11.65	V	46.25	53.98	7.73	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch
RU offset.	60

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	45.11	0.00	11.74	H	56.85	73.98	17.13	PK
5350	33.08	0.38	11.74	H	45.20	53.98	8.78	AV
5350	45.50	0.00	11.74	V	57.24	73.98	16.74	PK
5350	33.40	0.38	11.74	V	45.52	53.98	8.46	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch
RU offset.	53

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	45.10	0.00	12.60	H	57.70	73.98	16.28	PK
5460	33.14	0.38	12.60	H	46.11	53.98	7.87	AV
5470	43.95	0.00	12.85	H	56.80	68.20	11.40	PK
5460	45.26	0.00	12.60	V	57.86	73.98	16.12	PK
5460	33.24	0.38	12.60	V	46.21	53.98	7.77	AV
5470	44.54	0.00	12.85	V	57.39	68.20	10.81	PK

Band :	UNII 2C
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch
RU offset.	60

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	45.09	0.00	12.60	H	57.69	73.98	16.29	PK
5460	33.21	0.38	12.60	H	46.18	53.98	7.80	AV
5470	44.54	0.00	12.85	H	57.39	68.20	10.81	PK
5460	45.12	0.00	12.60	V	57.72	73.98	16.26	PK
5460	33.71	0.38	12.60	V	46.68	53.98	7.30	AV
5470	44.78	0.00	12.85	V	57.63	68.20	10.57	PK

3.4) 242 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch
RU offset.	61

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	44.91	0.00	11.65	H	56.56	73.98	17.42	PK
5150	33.84	0.79	11.65	H	46.28	53.98	7.70	AV
5150	45.16	0.00	11.65	V	56.81	73.98	17.17	PK
5150	34.41	0.79	11.65	V	46.85	53.98	7.13	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch
RU offset.	64

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	44.98	0.00	11.74	H	56.72	73.98	17.26	PK
5350	32.94	0.79	11.74	H	45.47	53.98	8.51	AV
5350	45.33	0.00	11.74	V	57.07	73.98	16.91	PK
5350	33.31	0.79	11.74	V	45.84	53.98	8.14	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch
RU offset.	61

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	44.87	0.00	12.60	H	57.47	73.98	16.51	PK
5460	32.87	0.79	12.60	H	46.25	53.98	7.73	AV
5470	44.52	0.00	12.85	H	57.37	68.20	10.83	PK
5460	45.25	0.00	12.60	V	57.85	73.98	16.13	PK
5460	33.06	0.79	12.60	V	46.44	53.98	7.54	AV
5470	44.76	0.00	12.85	V	57.61	68.20	10.59	PK

3.5) 484 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch
RU offset.	65

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	45.67	0.00	11.65	H	57.32	73.98	16.66	PK
5150	34.27	1.32	11.65	H	47.24	53.98	6.74	AV
5150	45.97	0.00	11.65	V	57.62	73.98	16.36	PK
5150	34.38	1.32	11.65	V	47.35	53.98	6.63	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch
RU offset.	66

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	45.02	0.00	11.74	H	56.76	73.98	17.22	PK
5350	32.72	1.32	11.74	H	45.78	53.98	8.20	AV
5350	45.19	0.00	11.74	V	56.93	73.98	17.05	PK
5350	33.31	1.32	11.74	V	46.37	53.98	7.61	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch
RU offset.	65

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	43.83	0.00	12.60	H	56.43	73.98	17.55	PK
5460	32.51	1.32	12.60	H	46.43	53.98	7.55	AV
5470	45.27	0.00	12.85	H	58.12	68.20	10.08	PK
5460	44.38	0.00	12.60	V	56.98	73.98	17.00	PK
5460	32.94	1.32	12.60	V	46.86	53.98	7.12	AV
5470	45.46	0.00	12.85	V	58.31	68.20	9.89	PK

3.6) 996 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch
RU offset.	67

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	47.34	0.00	11.65	H	58.99	73.98	14.99	PK
5150	34.02	2.11	11.65	H	47.78	53.98	6.20	AV
5150	47.57	0.00	11.65	V	59.22	73.98	14.76	PK
5150	34.10	2.11	11.65	V	47.86	53.98	6.12	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch
RU offset.	67

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	45.00	0.00	11.74	H	56.74	73.98	17.24	PK
5350	33.20	2.11	11.74	H	47.06	53.98	6.92	AV
5350	45.10	0.00	11.74	V	56.84	73.98	17.14	PK
5350	33.31	2.11	11.74	V	47.17	53.98	6.81	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch
RU offset.	67

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	44.14	0.00	12.60	H	56.74	73.98	17.24	PK
5460	32.49	2.11	12.60	H	47.20	53.98	6.78	AV
5470	44.76	0.00	12.85	H	57.61	68.20	10.59	PK
5460	44.67	0.00	12.60	V	57.27	73.98	16.71	PK
5460	32.87	2.11	12.60	V	47.58	53.98	6.40	AV
5470	45.05	0.00	12.85	V	57.90	68.20	10.30	PK

3.7) SU

Band :	UNII 1
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch
RU offset.	None

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	48.02	0.00	11.65	H	59.67	73.98	14.31	PK
5150	35.80	2.16	11.65	H	49.61	53.98	4.37	AV
5150	48.15	0.00	11.65	V	59.80	73.98	14.18	PK
5150	35.91	2.16	11.65	V	49.72	53.98	4.26	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch
RU offset.	None

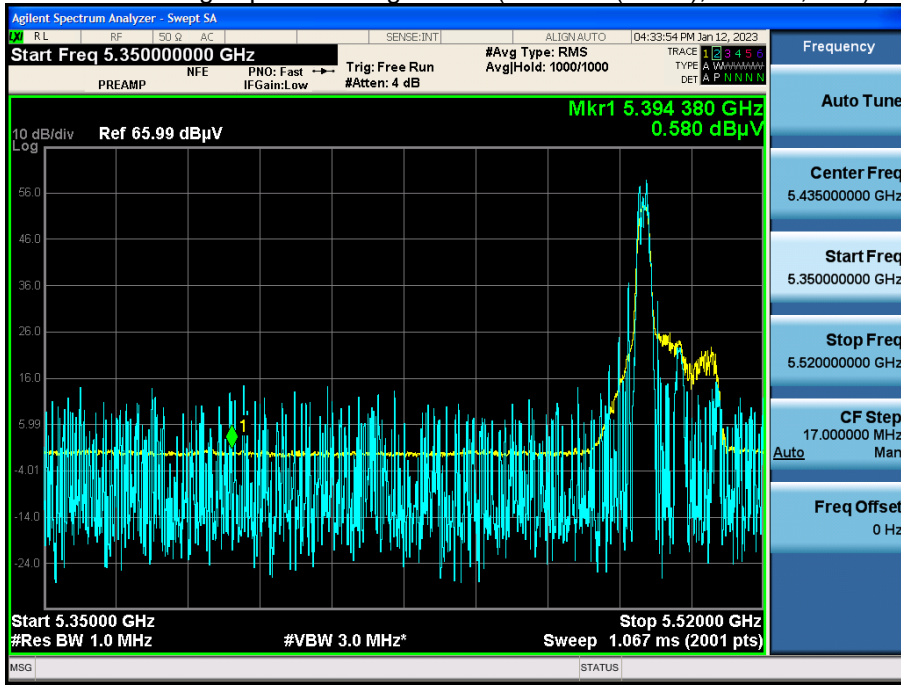
Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	45.12	0.00	11.74	H	56.86	73.98	17.12	PK
5350	33.08	2.16	11.74	H	46.98	53.98	7.00	AV
5350	45.35	0.00	11.74	V	57.09	73.98	16.89	PK
5350	33.69	2.16	11.74	V	47.59	53.98	6.39	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch
RU offset.	None

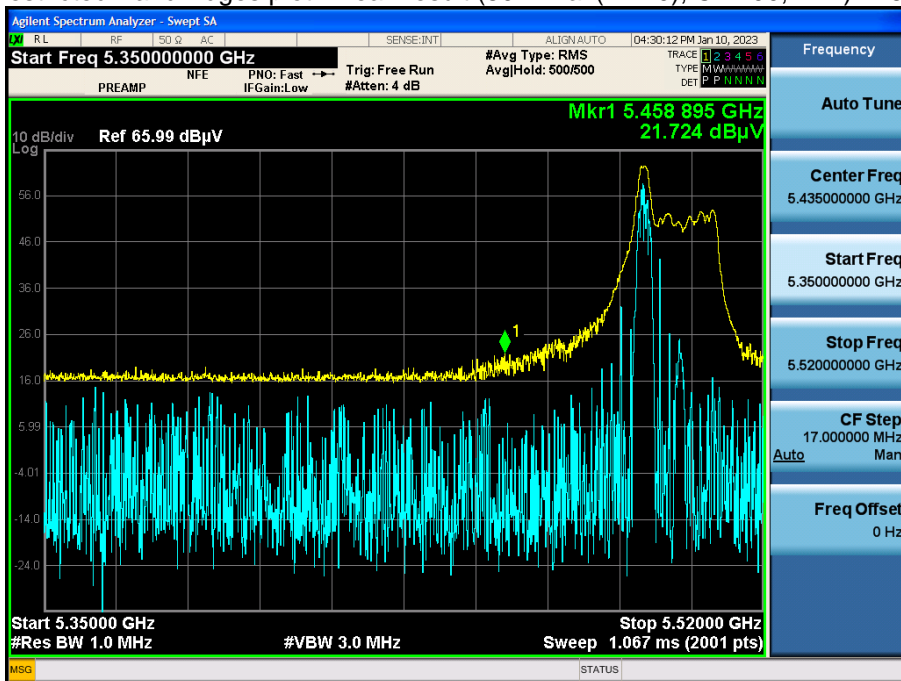
Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	45.13	0.00	12.60	H	57.73	73.98	16.25	PK
5460	33.62	2.16	12.60	H	48.37	53.98	5.61	AV
5470	45.60	0.00	12.85	H	58.45	68.20	9.75	PK
5460	45.42	0.00	12.60	V	58.02	73.98	15.96	PK
5460	33.69	2.16	12.60	V	48.44	53.98	5.54	AV
5470	45.62	0.00	12.85	V	58.47	68.20	9.73	PK

☐ Test Plots(UNII 1, 2A, 2C),
[SISO]

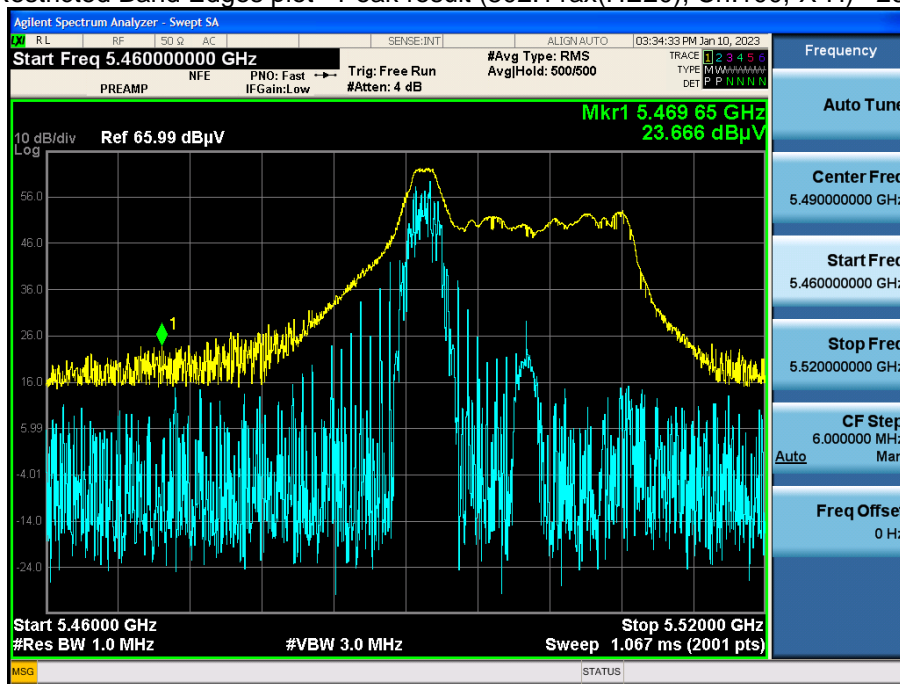
Radiated Restricted Band Edges plot - Average result (802.11ax(HE20), Ch.100, X-H) -26 Tone RU 0



Radiated Restricted Band Edges plot - Peak result (802.11ax(HE20), Ch.100, X-H) -26 Tone RU 0



Radiated Restricted Band Edges plot - Peak result (802.11ax(HE20), Ch.100, X-H) -26 Tone RU 0



Note:

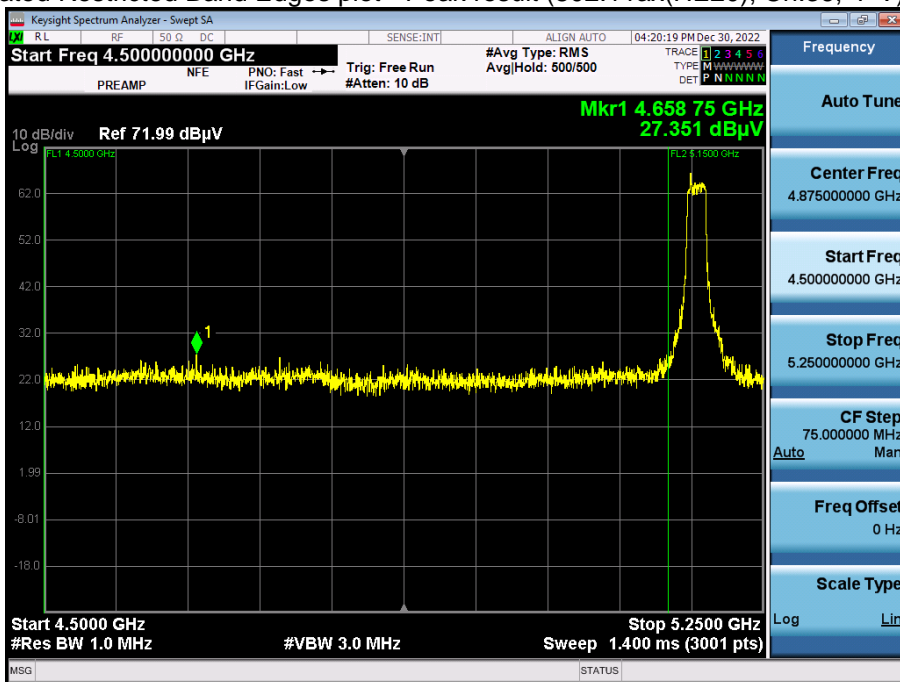
Only the worst case plots for Radiated Restricted Band Edge.

[MIMO]

Radiated Restricted Band Edges plot - Average result (802.11ax(HE20), Ch.36, Y-V) – SU



Radiated Restricted Band Edges plot - Peak result (802.11ax(HE20), Ch.36, Y-V) – SU



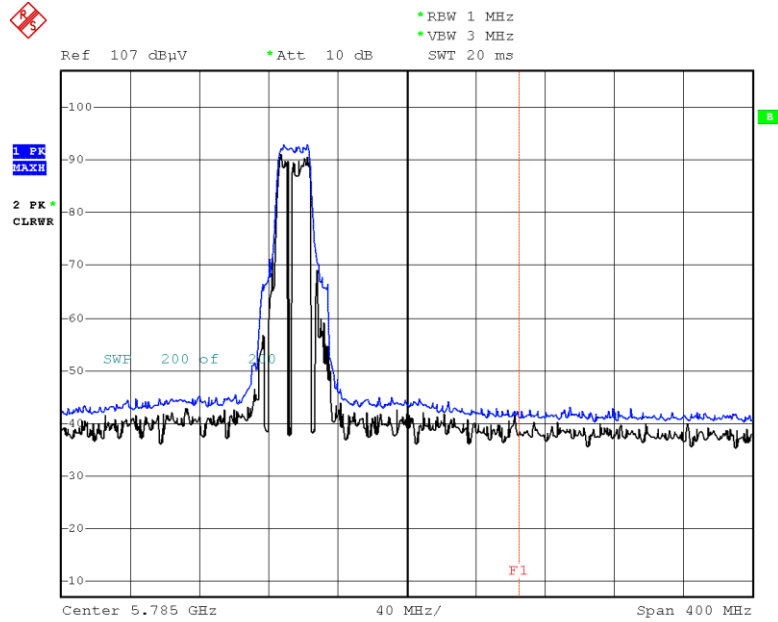
Note:

Only the worst case plots for Radiated Restricted Band Edge.

▣ Test Plots(Staraddle Channel)

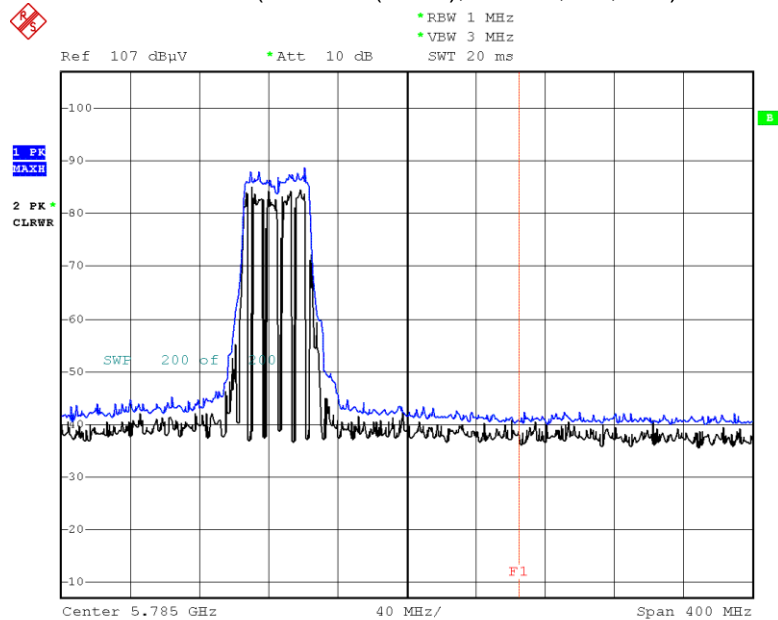
[MIMO]

Peak result (802.11ax(HE20), Ch.144, SU, Y-V)

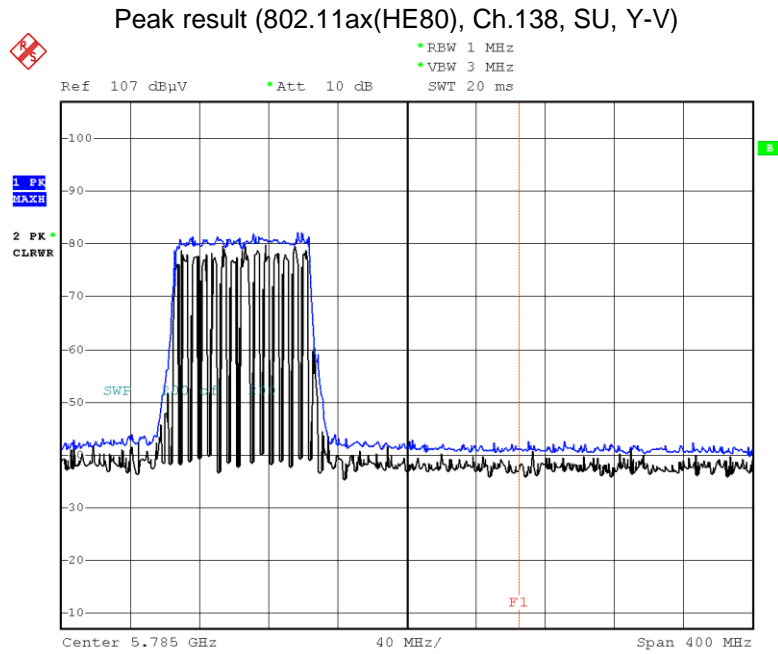


Date: 9.JAN.2023 20:10:41

Peak result (802.11ax(HE40), Ch.142, SU, Y-V)



Date: 9.JAN.2023 20:17:51



Date: 9.JAN.2023 20:24:00

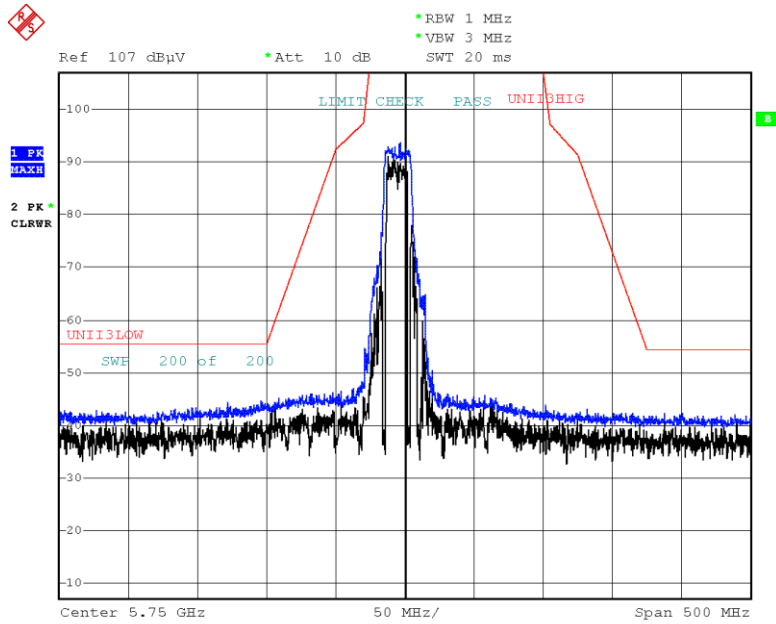
Note :

1. Only the worst case plots for Radiated Restricted Band Edge.
2. Red line : 5 850 MHz
3. Ambient Noise (Because of ambient noise, We attached only the worst plot without a data table)

▣ Test Plots(UNII 3)_Low Edge

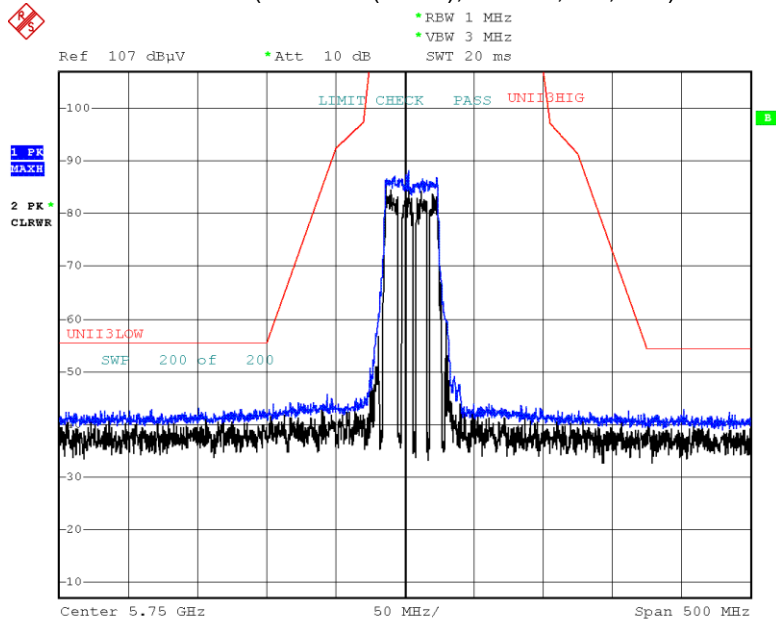
[MIMO]

Peak result (802.11ax(HE20), Ch.149, SU, Y-V)



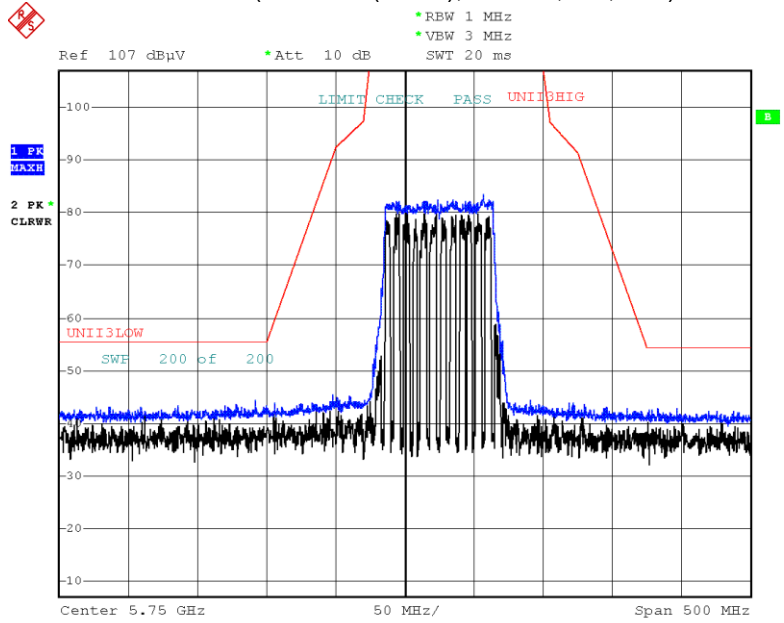
Date: 9.JAN.2023 20:37:18

Peak result (802.11ax(HE40), Ch.151, SU, Y-V)



Date: 9.JAN.2023 20:34:00

Peak result (802.11ax(HE80), Ch.155, SU, Y-V)

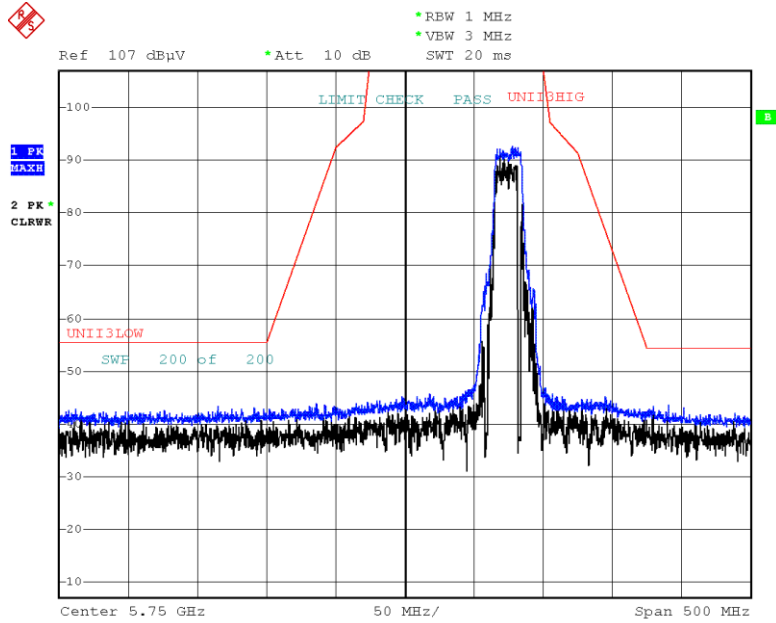


Date: 9.JAN.2023 20:31:36

▣ Test Plots(UNII 3)_High Edge

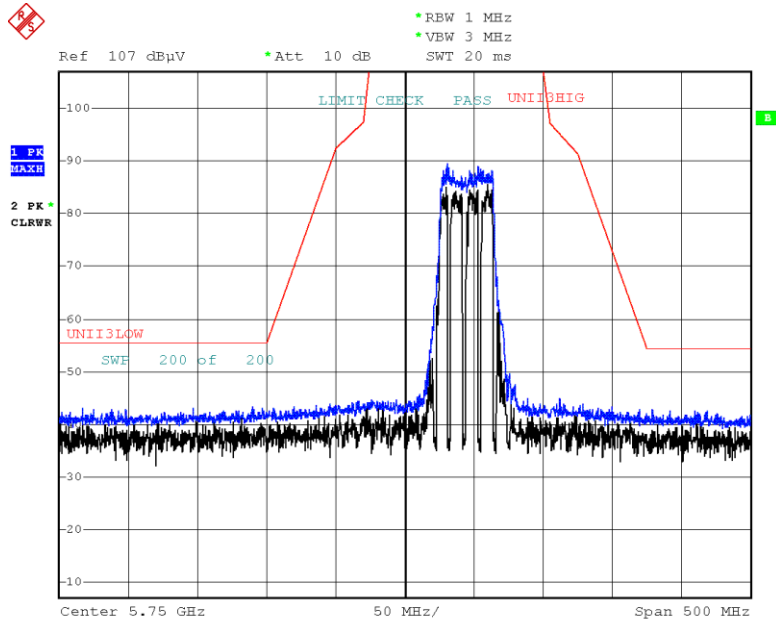
[MIMO]

Peak result (802.11ax(HE20), Ch.165, SU, Y-V)



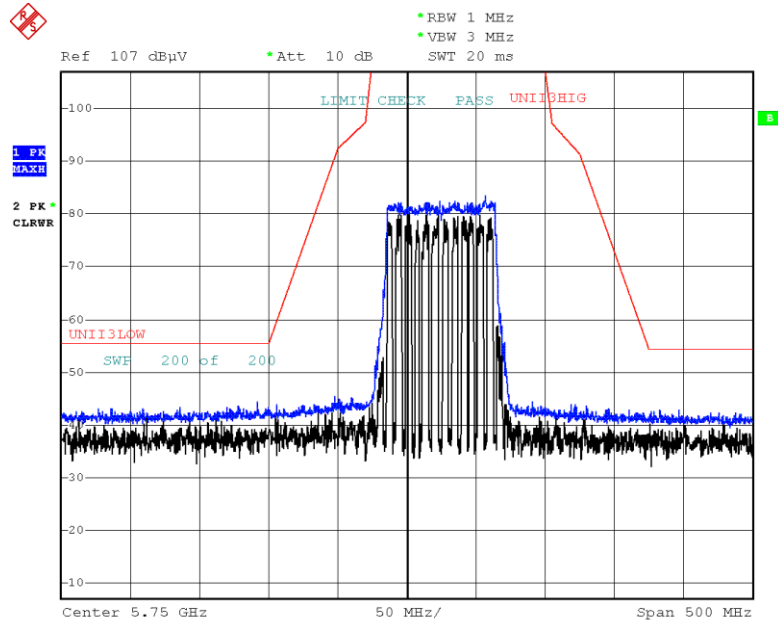
Date: 9.JAN.2023 20:42:52

Peak result (802.11ax(HE40), Ch.159, SU, Y-V)



Date: 9.JAN.2023 20:35:32

Peak result (802.11ax(HE80), Ch.155, SU, Y-V)



Date: 9.JAN.2023 20:31:36

Note :

1. Only the worst case plots for U-NII-3 Out of Band e.i.r.p Emission.
2. U-NII-3 Low & High Band Edge RedLine is Final Test Limit about factor value compensation.

11. LIST OF TESTEQUIPMENT

Conducted Test

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
LISN	ENV216	Rohde & Schwarz	102245	08/22/2023	Annual
EMI Test Receiver	ESR	Rohde & Schwarz	101910	06/07/2023	Annual
Temperature Chamber	SU-642	ESPEC	0093008124	03/04/2023	Annual
Signal Analyzer	N9030A	Keysight	MY55410508	09/06/2023	Annual
Power Meter	N1911A	Agilent	MY45100523	03/24/2023	Annual
Power Sensor	N1921A	Agilent	MY57820067	03/24/2023	Annual
Directional Coupler	87300B	Agilent	3116A03621	11/02/2023	Annual
Power Splitter	11667B	Hewlett Packard	10545	02/03/2023	Annual
DC Power Supply	E3632A	Agilent	KR75305528	01/03/2024	Annual
Attenuator(10 dB)(DC-26.5 GHz)	8493C-010	Agilent	08285	06/21/2023	Annual
Attenuator(20 dB)	18N-20dB	Rohde & Schwarz	8	03/07/2023	Annual
Software	EMC32	Rohde & Schwarz	N/A	N/A	N/A
FCC WLAN&BT&BLE Conducted Test Software v3.0	N/A	HCT CO., LTD.	N/A	N/A	N/A
Bluetooth Tester	CBT	Rohde & Schwarz	100808	02/22/2023	Annual

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

Radiated Test

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
Controller(Antenna mast)	CO3000	Innco system	CO3000-4p	N/A	N/A
Antenna Position Tower	MA4640/800-XP-EP	Innco system	N/A	N/A	N/A
Controller	EM2090	Emco	060520	N/A	N/A
Turn Table	N/A	Ets	N/A	N/A	N/A
Loop Antenna	FMZB 1513	Rohde & Schwarz	1513-333	03/17/2024	Biennial
Hybrid Antenna	VULB 9168	Schwarzbeck	9168-0895	08/16/2024	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	9120D-1191	11/18/2023	Biennial
Horn Antenna(15 GHz ~ 40 GHz)	BBHA9170	Schwarzbeck	BBHA9170124	04/12/2023	Biennial
Amp & Filter Bank Switch Controller	FBSM-01A	TNM system	0	N/A	N/A
Band Reject Filter	WRCJV2400/2483.5-2370/2520-60/12SS	Wainwright Instruments	2	01/05/2024	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	5	06/13/2023	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	6	06/13/2023	Annual
Band Reject Filter	WRCJV5100/5850-40/50-8EEK	Wainwright Instruments	1	02/07/2023	Annual
ATT(3 dB) + LNA2(6~18 GHz)	18B-03, CBL06185030	WEINSCHEL CERNEK	N/A	12/05/2023	Annual
ATT(10 dB) + LNA1(0.1~18 GHz)	56-10, CBLU1183540B-01	Api tech, CERNEK	N/A	12/05/2023	Annual
High Pass Filter	WHKX10-2700-3000-18000-40SS	Wainwright Instruments	N/A	12/05/2023	Annual
High Pass Filter	WHKX8-6090-7000-18000-40SS	Wainwright Instruments	N/A	12/05/2023	Annual
Thru	COAXIAL ATTENUATOR	T&M SYSTEM	N/A	12/05/2023	Annual
Power Amplifier	CBL18265035	CERNEK	22966	12/01/2023	Annual
Power Amplifier	CBL26405040	CERNEK	25956	03/11/2023	Annual
Bluetooth Tester	TC-3000C	TESCOM	3000C000175	04/05/2023	Annual
Spectrum Analyzer	FSP(9 kHz ~ 30 GHz)	Rohde & Schwarz	836650/016	09/06/2023	Annual
Spectrum Analyzer	FSV40-N(9 kHz ~ 30 GHz)	Rohde & Schwarz	101068-SZ	09/07/2023	Annual
Signal Analyzer	N9030A	Keysight	MY55410508	09/06/2023	Annual
Signal Analyzer	N9030A	Keysight	MY49431210	12/29/2023	Annual
Signal Analyzer	N9030A	Keysight	MY52350879	01/02/2024	Annual

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.
3. Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5(Version : 2017).

12. ANNEX A_ TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-2301-FC077-P